

# GRAPHIC SCIENCE

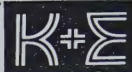


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PROF

SEPTEMBER, 1961



# Some Ideas



for your file of practical information on  
drafting and reproduction

KEUFFEL & ESSER CO.

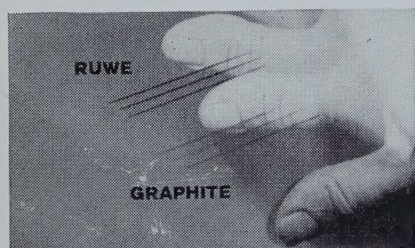
The stone tablet and chisel were pretty widely used writing and drawing instruments in their day.

But they don't command much of a following any longer. Like so many tools of the past, they gave way to better methods of portraying information. Some of these methods occurred by accident, some were developed by experts to serve specialized needs. Three good examples of the latter are described here.

## A Couple of "Better" Pencils

When polyester drafting film first came into use, it was found that standard graphite pencils with clay binders, while fine for paper, smudged too readily on film.

So a new kind of pencil was needed—and developed. It was called the Duralar. With both binder and color agent made entirely of plastic, Duralar deposited a black, dense line on film, which could neither be smudged nor washed away.



But since washability is not the touchstone of every drafting operation, K&E went a step further. Result—the Ruwe pencil. Having all the "fine feel" and erasibility of graphite, on both film and cloth, the Ruwe deposits a blacker, denser line than graphite, with the smudge resistance the old graphite pencil could not provide.

Here's why: the Ruwe pencil is graphite, but with a plastic binder instead of clay. Color coded in five degrees of hardness from 2S to 6S, Ruwe is available in wood pencils and leads. More good news is that Ruwe is now available in 2S and 3S hardnesses for fine-line automatic pencils as well. The lead is just .036" in thickness—ideal for free-hand lettering.

It's interesting to note, that since the introduction of Ruwe, other plastic-graphite pencils have been placed on the market. If you're interested in testing the original we'll send free Ruwe pencils to you—just send the coupon.

## Now You See 'em... Now You Don't

For engineering drawings, or freehand sketches, K&E GUIDE LINE<sup>TM</sup> tracing papers, cloths and films make light work for you—by making light work for you. The light blue cross-section lines are visible to the eye, but will not reproduce on your diazos or blueprints. Other companies make similar products but here's the important K&E contribution: GUIDE LINE is now available in the widest variety of

drafting media ever. Specifically: ALBANENE<sup>®</sup> and CRYSTALENE<sup>®</sup> 100% rag stock tracing papers, PHOENIX<sup>®</sup> water-resistant tracing cloth and HERCULENE<sup>®</sup> polyester base drafting film. So whichever sheet you use, odds are it's available in GUIDE LINE first.

We especially recommend GUIDE LINE products for accurately guiding freehand work such as plant layouts, organization charts, electrical diagrams, etc. Your freehand work actually will look more like a finished detail than a sketch. And confidential notes will drop out too, if written or typed in special colors.

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## Through The Looking Glass

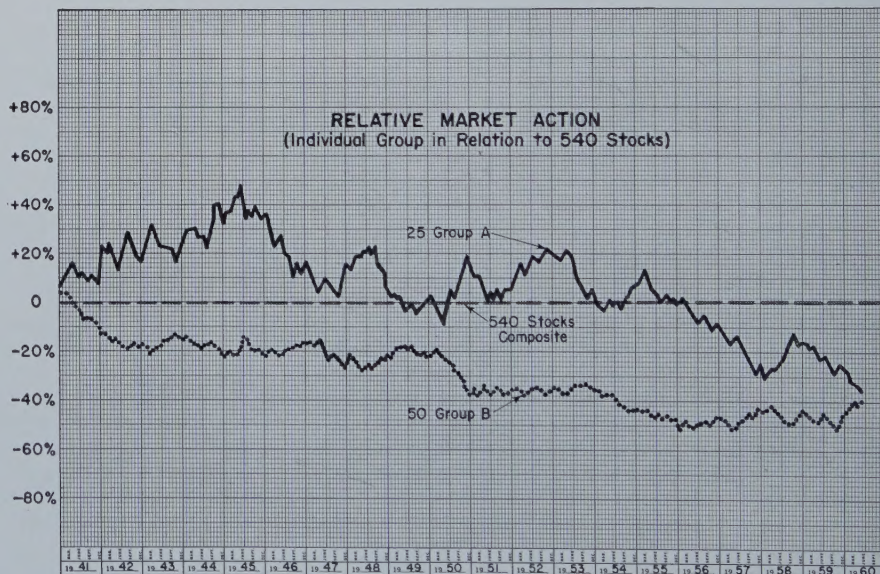
No more "Alice in Wonderland" wandering about when you want to locate the graph sheet you need for a specific job. Reason—K&E graph sheets now are packaged with a new "looking glass"—A time-saving visual package. This unique pack-

age has a window in the front so you can see the sheet inside. This is a boon, especially if you use a wide variety of graph sheets. Apart from the packaging, we've done a few other things to make graph-sheet selection easy and infallible.

Every user of graph paper puts it to a different task. So we have put together a complete line of graph papers, one or more of which will almost certainly meet your particular requirements. As a matter of fact, odds are 1000 to 1 that we already make and sell the sheet you require. In the event that we don't, we'll work with you to create it.

And we bend over backwards to make sure every sheet with the K&E symbol more than does its job. To insure accuracy of performance, every K&E graph sheet ever made was printed from precision-engraved plates by the letterpress process. The paper used—translucent or opaque—has at least 50% rag content—100% in some cases. And before any of it ever gets to the printer, it undergoes extensive examination in our quality control labs.

There is a lot more we could tell you about K&E graph sheets. We have prepared a selection guide for your use. If you'd like to have one, it's free, along with some sample sheets in the new visual package.



12,300 variables at a glance. Here's a typical stock market chart used to study relative market action. Center line is market behavior of 540 stocks over 20-year period. Two basic stock groups of 25 and 50 individual stocks, averaged, are plotted against market (figured at zero per cent). Resultant chart shows all-important slope of curve which—far more than gross increases—tells the story of the stocks' vitality. No list of statistics, no matter how exhaustive, could give the relative interactions shown here. This picture is possible only with a graph.

KEUFFEL & ESSER CO., Dept. GS-9, Hoboken, N. J.

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- ☐ Ruwe Pencils ☐ GUIDE LINE<sup>TM</sup> Brochure and Samples  
☐ Graph-paper Selection Guide and Samples

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covering drafting, reproduction and microfilming, technical  
illustration, drawing standards and engineering documentation.

### ARTICLES

## 13 PURCHASING DIRECTORY for Drafting & Reproduction Equipment & Supplies

## 46 MINIATURIZATION

*Saves space, money, and time for engineering and architectural consulting firm*

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4 GRAPHIC PERSPECTIVE  
8 MILITARY ENGINEERING  
DOCUMENTATION

48 NEW PRODUCTS  
51 NEW LITERATURE

### *Next Month*

COST CONTROL IN THE DRAFTING ROOM, by E. R. Wattsjer  
*What every young draftsman should know*

COST CONSIDERATIONS IN TECHNICAL ILLUSTRATION,  
by Francis S. Peters

*Technical illustration need not be expensive, but holding the line on costs involves  
many skills and techniques*

GRAPHIC SCIENCE is published monthly by  
Kinelow Publishing Company, Inc., Wilton Center,  
Wilton, Connecticut. (POrter 2-5564). Charles E.  
Rhine, president; Paul Yake, vice president;  
David Z. Orlow, secretary-treasurer. Address  
changes, undeliverable copies, and orders for sub-

scriptions should be sent to GRAPHIC SCIENCE,  
Wilton Center, Wilton, Connecticut. Postmaster:  
Form 3579 requested. Subscription rates: \$8.00  
per year in the United States; \$9.00 per year  
to Canada; \$10.00 per year to other countries.  
Single copies: \$1.00. ©Kinelow Publishing Com-

pany, Inc., 1961. Accepted as controlled circula-  
tion publication at Manchester, N. H.

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# Types of Technical Drawings

by Franz Maria Feldhaus

**A**ROUND 1825 taste began to turn against the laughable and tasteless Gothic points and flourishes, but they remained in fashion none the less. August Borsig had to ornament completely the steam engine for the water supply of the fountains in Sans Souci in 1842. The engine house was built like a Mohammedan house of

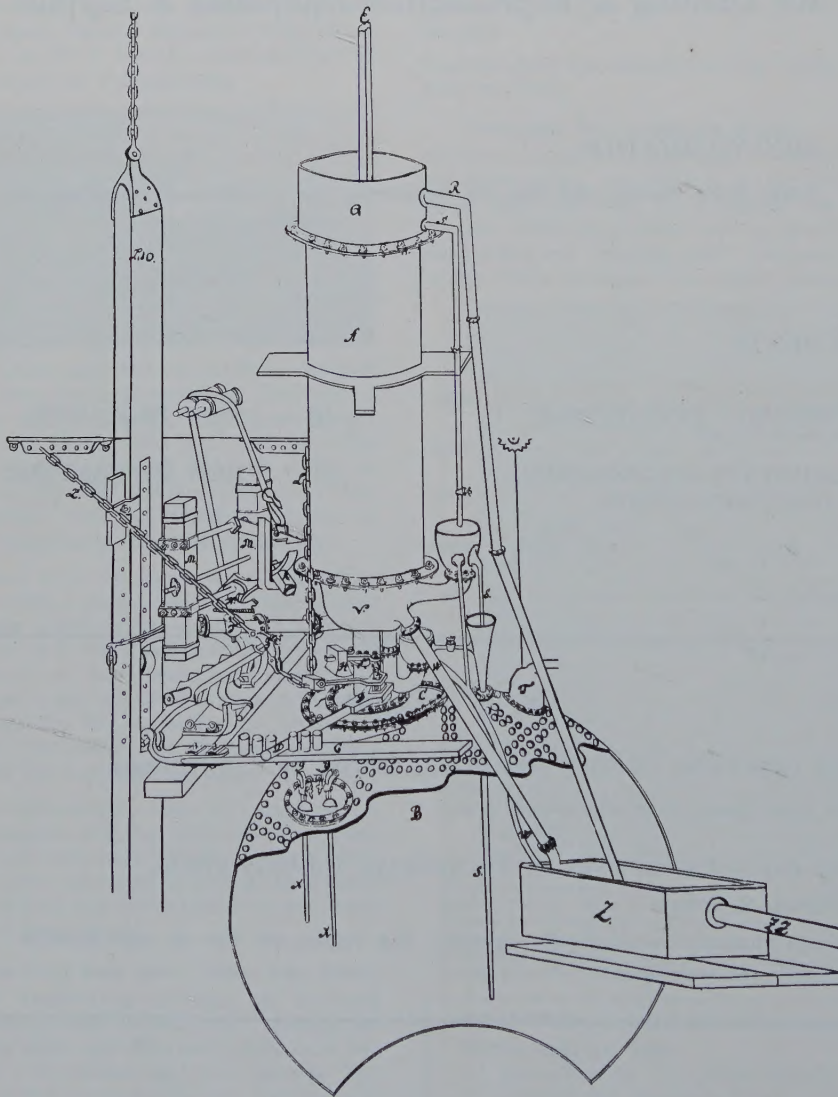
God, as a mosque. Quite out of place was the steam of the boiler rising from its minaret. In 1838 August Borsig suspended the steel cable of a bridge in the Berlin Tiergarten from the mouths of four lions made of cast iron.

Only Samuel Clegg, known as a specialist on gas, interceded in fav-

This is the conclusion of Chapter III of an authoritative and beautiful book, *THE HISTORY OF TECHNICAL DRAWING*, by Franz Maria Feldhaus published in 1959 by Franz Kuhlmann, K.G., of Wilhelmshaven, Germany, as *GESCHICHTE DES TECHNISCHEN ZEICHNENS*. We are indebted to the publisher for the translation, as well as for permission to republish this fascinating work. It will be continued in this department from month to month, until completed.—The Editors.

or of the beauty of the machine on the grounds of proportion. He pointed out the importance of constructing a product in such a way that it did not offend the eye of the beholder. He also denied that it was impossible to construct beautifully at no higher cost.

Millions of technical drawings and tracings of machines and apparatus are kept with patent documents. The earliest regulations regarding patents were decreed by the electorate of Saxony. On April 21, 1500, Lorenz Werder and associates received patent there for a hydrous machine for the mines in Schneeberg. The idea was tested first and a patent fee was determined. In the Netherlands patents have been granted since 1515; drawings and tracings of those that have been preserved go back as far as 1589. England decreed a patent law on November 2, 1624; the oldest technical drawing of such a patent dates from 1641. When the colonies of North America separated from the English motherland, the United States received a patent law on April 10, 1790, but a fire in 1833 destroyed the whole store of documents and drawings. France has given patents on the basis of a law dating from January 7, 1791; the drawings that still exist are in the Museum of Technology in Paris. English, North American and French patents have been published with their drawings in a large number of books. Patent documents of the German states, the Free Towns of the North German Federation and those of Prussia granted under a law dating from October 14, 1815, have no



Steam Machine by Josephi Schnachter, Schemnitz, Hungary. The large drawing was burned in 1944 with the library of the Technical High School in Berlin. This machine did service as a mine pump long before James Watt.





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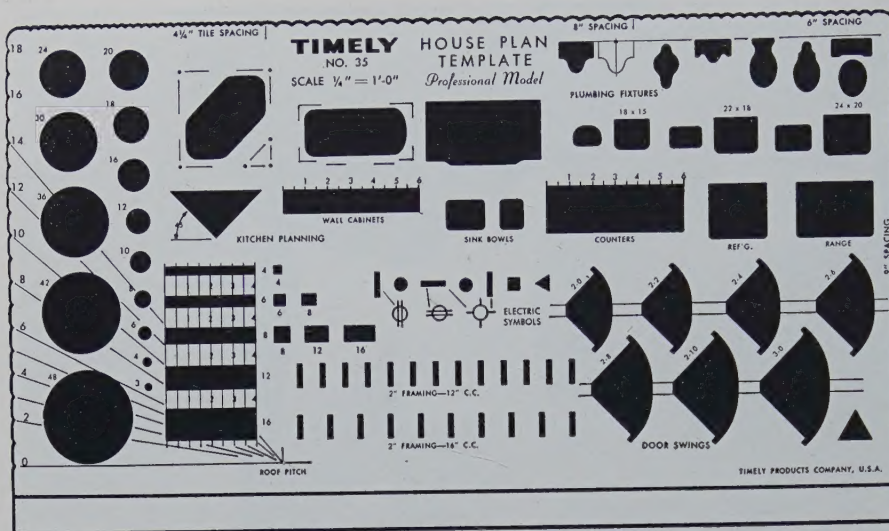
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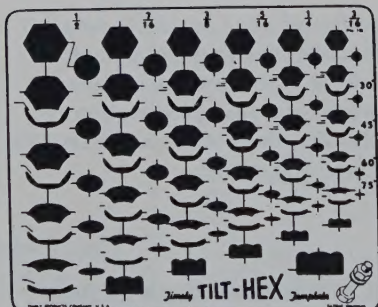
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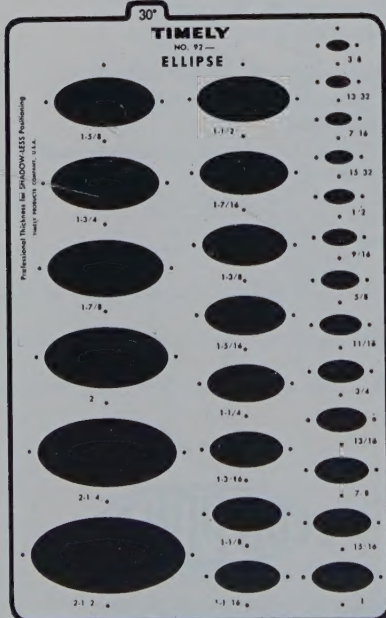
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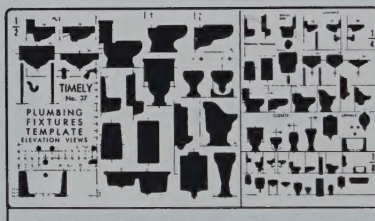
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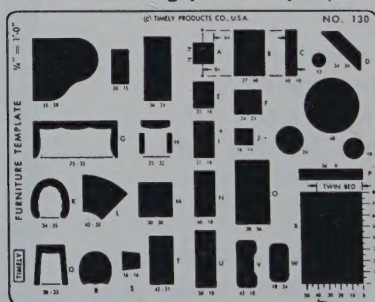
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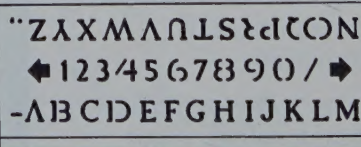
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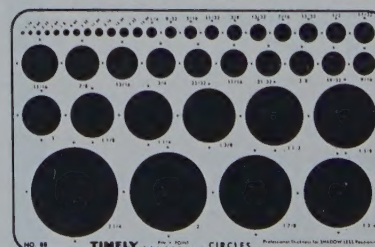
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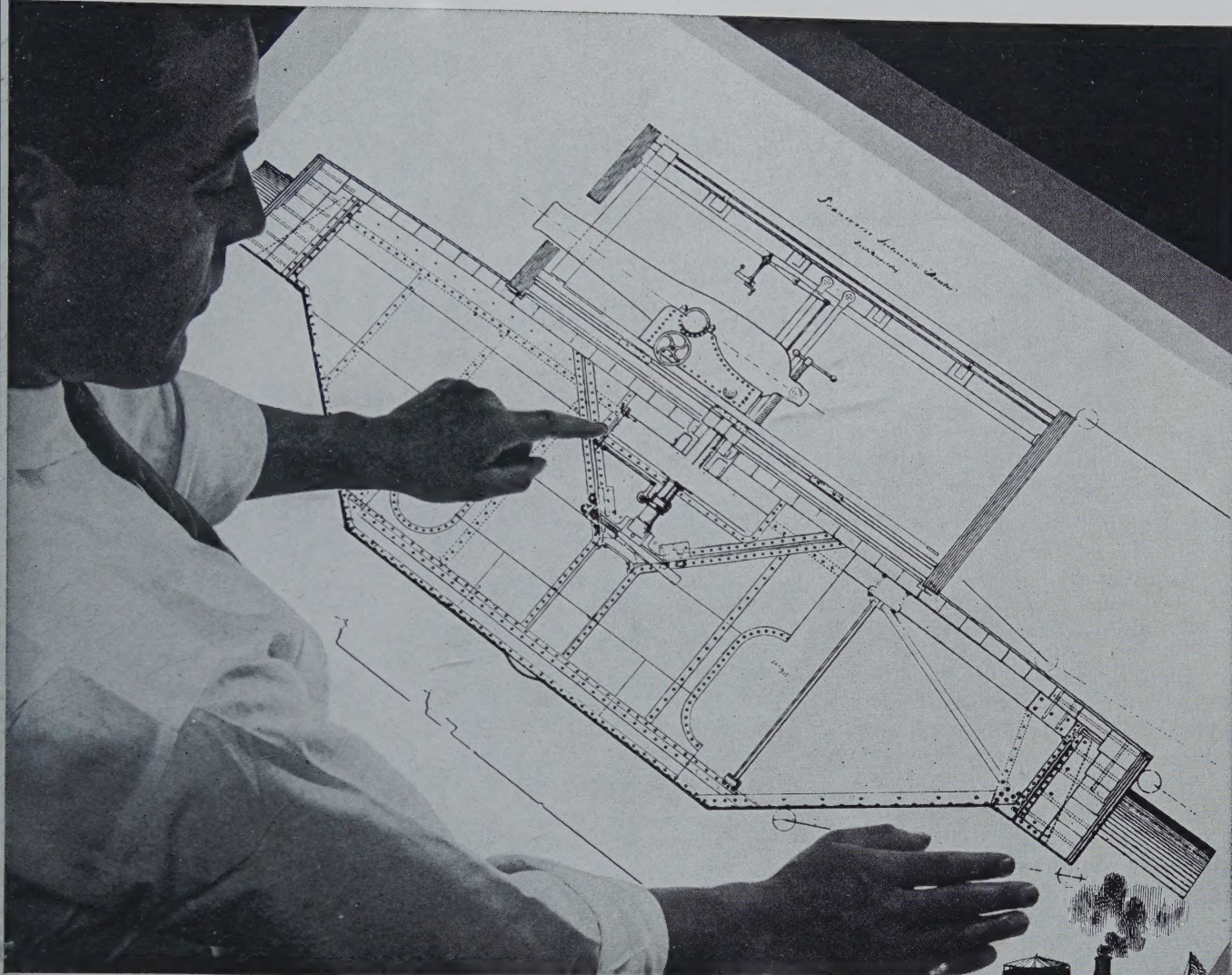
been published. Patents from the North German Federation go back as far as the state patent law of 1877. In Prussia 4,200 patents had been given up to that time. The attached drawings are very varied in their execution. Some are only clumsy pen-and-ink drawings; others are very precise and in color. These were all before the middle of the century. Some of the most valuable Prussian patents and their drawings were reproduced in facsimile by the state patent office.

Patents of the Kingdom of Saxony, that would have been most valuable for the development of technology and industry, were unfortunately destroyed because the technologist Professor Gustav Anton Zeuner pronounced the descriptions and drawings dating from the years between 1810 and 1877 as without any value. In Bavaria, drawings relating to patents dating from 1825 to 1877 were for some unknown reason detached from their texts and kept in the state archives; they are now kept in the technical high school. During the last war many of the old German state patents dating from the nineteenth century, e.g. those of Hanover, were unfortunately lost. Drawings and descriptions of state patents dating from 1877 were also destroyed because no archive law then existed and none came into being until after World War I.

Each administrative authority had to pass information about files that were no longer needed to the state archive in order that they might take the most valuable pieces into their keeping. The state authority itself, however, was not obliged to do this so even drawings and texts of some of the greatest inventions have been destroyed by the Berlin patent office since 1877. The director of the Beuth School wanted to keep at least the most valuable ones as teaching material for his pupils, but the patent office decided that it could not be allowed because they were official documents. When it was pointed out that these patents had in any case been published in journals they ignored it. Irreplaceable pieces of technical art, often handwritten and signed by great inventors, were destroyed by law.

*To Be Continued*





Original Monitor drawing (1861) reproduced on new Kodagraph Autopositive Film, Estar Base. (Courtesy of Stevens Institute of Technology, Hoboken, N. J.)

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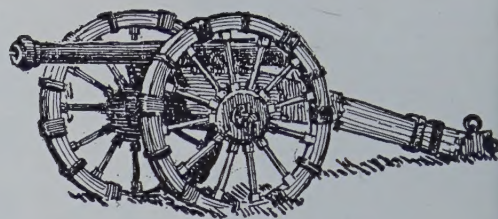
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# Military Engineering Documentation

by W. S. Hutchinson



## A PROGRESS REPORT

**T**HIS PROGRESS report covers recent Department of Defense activities in standardizing microfilming practices for engineering data.

### STANDARDIZATION PLAN FOR DoD ENGINEERING DATA MICRO- REPRODUCTION SYSTEM

The first revision to the plan which schedules projects for fiscal years 1962, 1963, and 1964 were approved by the Armed Forces Supply Support Center on July 31, 1961. The following documents approved initially in April 1960 are being revised to incorporate refinements derived from a year's operating experience:

#### MIL-M-9868

Spec. Microfilming of Engineering Documents, 35MM, Requirements For

#### MIL-C-9877

Spec. Cards, Aperture

#### MIL-C-9878

Spec. Cards, Tabulating and Aperture for Engineering Data Micro-Reproduction System.

#### MIL-P-9879

Spec. Construction/Architectural Drawings, Maps and Related Documents, 105MM, Requirements For

#### MIL-STD-804

Std. Formats and Coding of Tabulating and Aperture Cards for Engineering Data Micro-Reproduction System

The above documents are currently in coordination channels with the military departments and industry, with expected approval in the first quarter of the fiscal year 1962.

The following documents have been fully coordinated in the Federal

series, and were approved August 3, 1961:

#### L-F-315a

Spec. Film, Diazotype, Microfilm

#### L-F-320a

Spec. Film, Photographic, Heat Developing (Microfilm, 35MM)

#### L-F-334a

Spec. Film, Photographic, Microfilm (Black and White)

The following projects are nearing completion and draft documents have been circulated for coordination:

#### Military Standard

Density Step Wedge

#### Military Specification

Densitometer  
Cards, Copy (Aperture)

#### Military Handbook

Micro-Reproduction of Engineering Documents (Guidance to draftsmen and reproduction personnel relating to factors essential in obtaining satisfactory micro-reproductions of engineering data)

#### Military Standard

Equipment, For Engineering Data Micro-Reproduction System

Additional documents currently under preparation are as follows:

#### Military Specification

Film, 105MM, Raw Stock

#### Military Standard

Key Punching Instruction for EDMS PCAM Aperture and Tabulating Cards

#### AFSSC OPERATIONAL NOTICE No. S-2

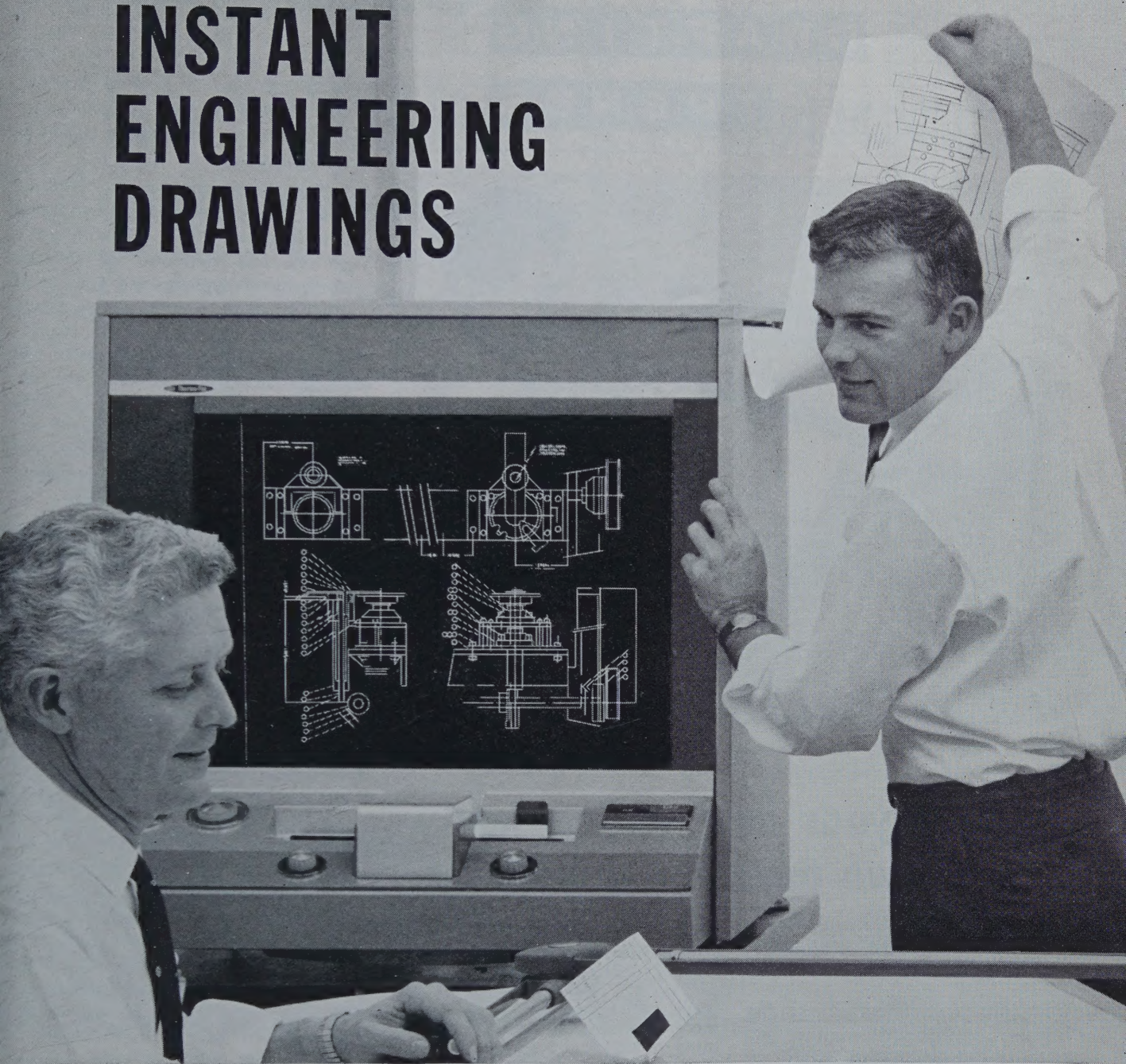
This notice provides Engineering Data Micro-Reproduction Control Activity Codes to the military departments in the further implementation of MIL-STD-804, and associated microfilming specifications. An Engineering Data Micro-Reproduction Control Activity is defined as the Department of Defense activity which holds the processed camera microfilm image of the document, and is responsible for answering requests from the other Department of Defense activities for copies of the microfilm image. The Control Activity code assignments will facilitate the control over and interchange of engineering data documentation. The notice becomes a part of the DoD Engineering Documentation System (EDDS) Program to enable the Department of Defense to improve the management of these resources. The DoD standard tabulating and aperture cards provide a universal means for exchanging engineering data between military activities and their contractors. The advantages over print distribution are less cost, less space, and faster service. Additionally, these PCAM cards are readily amenable to machine collation, indexing, and selective interpretation of data for various purposes. The Director, Armed Forces Supply Support Center, approved the S-2 Notice for issuance on July 24, 1961.

#### DESCRIPTIONS AND DATA ON PARTS USED IN ELECTRONIC EQUIPMENT

A proposed military standard under the title above has been prepared by the Armed Forces Supply Support Center and circulated to industry for comment. The standard was prepared to implement one of the recommen-



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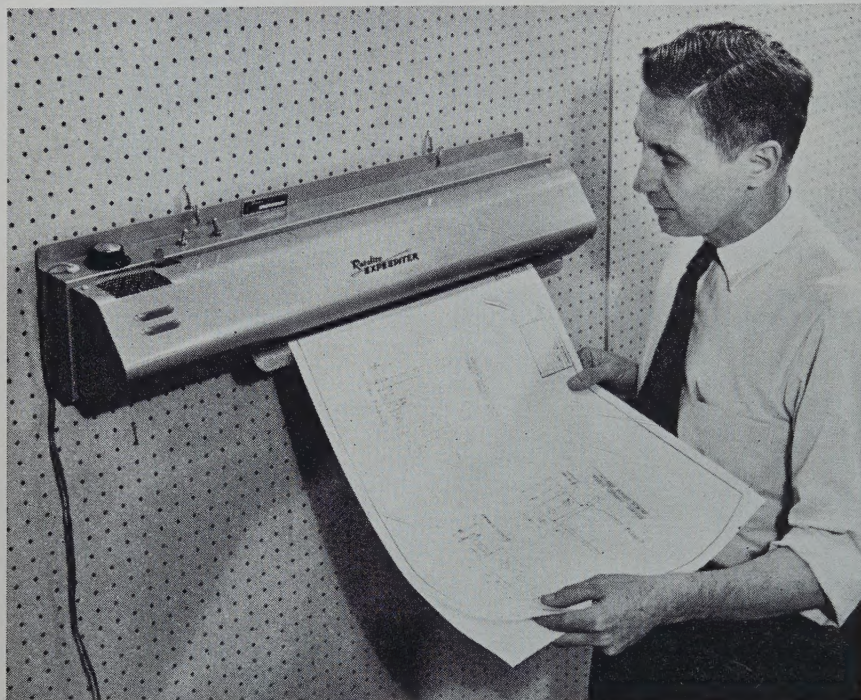
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dations contained in the report titled "Parts Specification Management for Reliability," dated May 1960. The report was issued jointly by the Office of the Director of Defense Research and Engineering and the Office of the Assistant of Defense (Supply and Logistics).

The major purpose of obtaining item descriptions and substantiating data is to make them available to engineers and designers of military electronic components and equipment obtained under contract. By so doing, duplicative development or requisition of identical or similar parts will be minimized. In addition, the descriptions and substantiating data will be used for the purpose of updating existing specifications and standards and for the development of new standardization documents.

It is also intended that the descriptions furnished under the proposed standard would (1) be adequate as technical documentation in support of provisioning decisions, as required under DoD Directive 4151.7, (2) satisfactorily serve as the basis for obtaining Federal Stock Numbers, and (3) be suitable for item management coding decisions in Single Manager operations. Furthermore, it is intended that the item descriptions together with their substantiating data would be adequate for obtaining authorization for the use of nonstandard parts. It is not intended that the descriptions would disclose manufacturing processes or techniques of a proprietary nature. However, it is intended that they contain engineering description adequate for use in reprocurement wherein the Government has secured unlimited rights for use of the data.

The proposed standard establishes the requirement for contractors and subcontractors to provide descriptions of, and data on, all parts used in electronic components and equipment which are not covered by the active federal, military, or adopted industry specifications or standards listed in the DoD Index of Specifications and Standards, or otherwise available to the DoD. The standard would apply to all contracts involving the design, construction, and delivery of service test, preproduction (prototype) and production models of electronic components and equipment as defined in MIL-STD-243.



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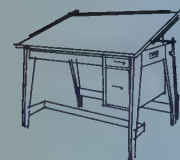
Smart, modern, practical—MODUCOR is the better way to file roll tracings in limited space, with a minimum investment. Three different tube sizes, with spring-activated doors, and label holders. Standard module construction permits integration with other Hamilton file units.



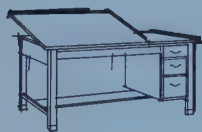
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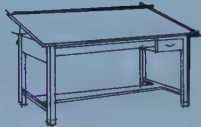
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CL-100 Tables



Steelwood Drafting Tables



Four Post Drafting Tables



Tracing Tables

**Hamilton**

Manufacturing Company  
Two Rivers, Wisconsin



## PURCHASING DIRECTORY

### for Drafting & Reproduction Equipment & Supplies

LISTINGS IN BOLD FACE TYPE INDICATE THAT THE COMPANY HAS ADVERTISING APPEARING IN THIS ISSUE WHICH THE READER MAY CONSULT FOR MORE INFORMATION. TO LOCATE AN ADVERTISEMENT, SEE INDEX ON PAGE 52.

#### ADDERS, DIMENSIONS, DESK-TYPE

Alexander Drafting Eqpt. Co., 640-642 N. Chester Ave., Pasadena, Calif.

#### ADDERS, DIMENSIONS, POCKET-TYPE

Alexander Drafting Eqpt. Co., 640-642 N. Chester Ave., Pasadena, Calif.

#### ADHESIVE, SPRAY-ON

Maker Products, Inc., Irvington-on-Hudson, N.Y.

#### APPLIQUES, PREPRINTED, DRAFTING

Chart-Pak, Inc., 1 River Rd., Leeds, Mass.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Mico/Type Inc., 6551 Sunset Blvd., Los Angeles 28, Calif.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.  
**Stanpat Co., 150-42 12th Rd., Whitestone 57, N.Y.**  
Tech-Tac, Inc., 727 W. 7th St., Los Angeles 17, Calif.  
Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

#### BINDERS, DRAWING

Acco Products, Inc., Riverside Dr., Ogdensburg, N.Y.

#### BLUEPRINT MACHINES

(also see Photocopy Machines)

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Paragon-Revolute Div., Charles Bruning Co. Inc., 77 South Ave., Rochester 4, N.Y.  
Reproduction Engineering Corp., Westbrook Rd., Essex, Conn.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**

#### BOOKS, ENGINEERING DRAWING

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
American Technical Soc., 848 E. 58th St., Chicago 37, Ill.  
Jarnes & Noble, Inc., 105 Fifth Ave., New York 3, N.Y.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Holt, Rinehart and Winston, Inc., 383 Madison Ave., New York 17, N.Y.  
McGraw-Hill Book Co., 330 W. 42 St., New York 36, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

#### BRUSHES, AIR

**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Paasche Airbrush Co., 1909 Diversey Pkwy., Chicago 14, Ill.  
Technifax Corp., 195 Appleton St., Holyoke, Mass.  
Thayer & Chandler, 331 S. Peoria St., Chicago 7, Ill.  
Wold Air Brush Co., 2171 N. California Ave., Chicago 47, Ill.

#### BRUSHES, ARTIST

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
A. Langnickel, Inc., 115 W. 31st St., New York 1, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**

#### BRUSHES, DUSTING

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
A. Langnickel, Inc., 115 W. 31st St., New York 1, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

#### CALIPERS, PROPORTIONING

**Kidjel-Young & Assoc., Inc., 1012 Piikoi St., Honolulu 14, Hawaii**

#### CAMERAS, COPY

**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Lacey-Luci Products, Inc., 52 Arlington St., Newark 2, N.J.  
Miller-Trojan Co., Inc., 3 N. Ridge Ave., Troy, Ohio  
Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.  
Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

#### CAMERAS, PROCESS

**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Lacey-Luci Products, Inc., 52 Arlington St., Newark 2, N.J.  
Miller-Trojan Co., Inc., 3 N. Ridge Ave., Troy, Ohio



## CHAIRS, DRAFTING

Ajusto Eqp. Co., 515 Conneaut St., Bowling Green, Ohio  
All-Steel Equipment Inc., Aurora, Ill.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 40-51 Ann St., New York 38, N.Y.  
Corry Jamestown Corp., Corry, Pa.  
Cramer Posture Chair Co., Inc., 625 Adams St., Kansas City 5, Kans.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
Garrett Tubular Products, Inc., 802 E. King St., Garrett, Ind.  
Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Parent Metal Products, Inc., 6805 State Rd., Philadelphia 35, Pa.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Standard Pressed Steel Co., Jenkintown, Pa.  
The Toledo Metal Furniture Co., 2900 S. Hastings St., Toledo 7, Ohio  
U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CHARCOAL, DRAWING

Blaisdell Pencil Co., Bethayres, Pa.  
Weber Costello Co., 12th & McKinley, Chicago Heights, Ill.

## CHEMICALS, BLUE PRINT

A-C-I Products, 10665 Harry Hines Blvd., Dallas 20, Tex.  
Andrews Paper & Chemical Co., Inc., 676 Northern Blvd., P. O. Box 528, Great Neck, N.Y.  
The Blueprint Co., P.O. Box 28283, Dallas 28, Tex.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Philip A. Hunt Co., Roosevelt Pl., Palisades Park, N.J.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Mallinckrodt Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.  
Chas. Pfizer & Co., Inc., 630 Flushing Ave., Brooklyn 6, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.

## CHEMICALS, DIAZO

Andrews Paper & Chemical Co., Inc., 676 Northern Blvd., P. O. Box 528, Great Neck, N.Y.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**

## CHEMICALS, OFFSET

Philip A. Hunt Co., Roosevelt Pl., Palisades Park, N.J.  
Mallinckrodt Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**

## CHEMICALS, PHOTOGRAPHIC

Ampto, Inc., Hix Ave., Newton, N.J.  
Cormac, 80 Fifth Ave., New York 11, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**E. I. du Pont de Nemours & Co., Inc., Photo Products Dept., Wilmington 98, Del.**  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
Mallinckrodt Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.  
Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
Remington Rand Systems, Div. Sperry Rand Corp., 122 E. 42 St., New York 17, N.Y.  
Transcopy Inc., 10 Paterson Ave., Newton, N.J.

## CLEANER, TRACING CLOTH

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.

Philip A. Hunt Co., Roosevelt Pl., Palisades Park, N.J.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CLOTH, BLUE PRINT

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CLOTH, DIAZO, DRY

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CLOTH, DIAZO, MOIST

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.

## CLOTH, GLASS

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## CLOTH, PHOTOGRAPHIC

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Hunter Photo Copyist, Inc., 566 Spencer St., Syracuse, N.Y.  
Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CLOTH, PREPRINTED SHEETS

Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.

## CLOTH, TRACING, INK

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Arkwright-Interlaken, Inc., Main St., Fiskeville, R.I.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.



## CLOTH, TRACING, PENCIL

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arkwright-Interlaken, Inc., Main St., Fiskeville, R.I.**  
**Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.**  
**Cloder Corp., 49-51 Ann St., New York 38, N.Y.**  
**Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.**  
**B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
**Nobema Products Corp., 141 Greene St., New York 12, N.Y.**  
**Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.**  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**Tecnifax Corp., 195 Appleton St., Holyoke, Mass.**  
**U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.**  
**J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.**

## CLOTH, WASH-OFF PROCESS

**Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.**  
**Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.**  
**B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.**  
**Hunter Photo Copyist, Inc., 566 Spencer St., Syracuse, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.**  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.**  
**J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.**

## COLOR TINTS, PRESSURE-SENSITIVE

**Bourges Color Corp., 80 Fifth Ave., New York 11, N.Y.**  
**Chart-Pak, Inc., 1 River Rd., Leeds, Mass.**  
**Di Carlo Pen Co., 3 Station Rd., Madison, N.J.**  
**Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.**

## COMPASSES, BEAM

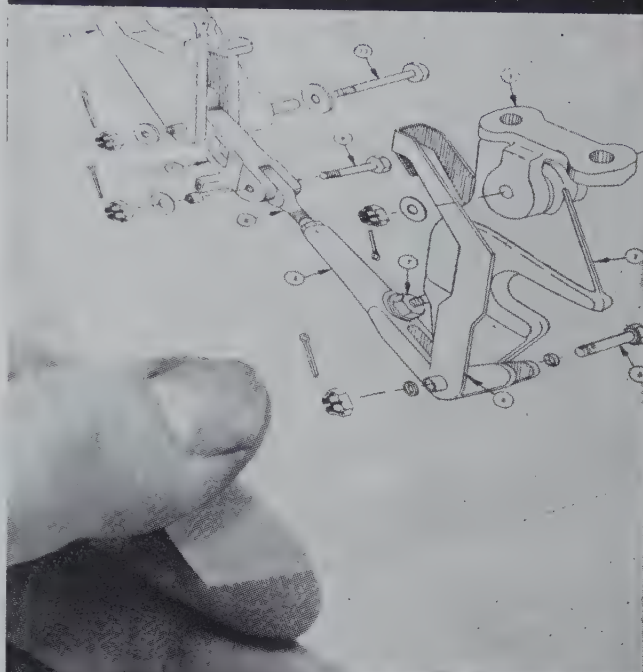
**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
**Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.**  
**Cloder Corp., 49-51 Ann St., New York 38, N.Y.**  
**Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.**  
**B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.**  
**Engineering Research Assoc., 3475 E. Nine Mile Rd., Warren, Mich.**  
**E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.**  
**The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.**  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
**Nobema Products Corp., 141 Greene St., New York 12, N.Y.**  
**Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.**  
**The Omicron Co., P.O. Box 907, Glendale, Calif.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.**  
**The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.**  
**Unitech Corp., 50 Colfax Ave., Clifton, N.J.**  
**U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
**Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.**  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
**J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.**  
**X-acto Inc., 48-41 Van Dam St., Long Island City 1, N.Y.**

## COMPASSES, BOW

**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Avenue, Windsor, Conn.**  
**Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
**Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.**  
**Cloder Corp., 49-51 Ann St., New York 38, N.Y.**  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
**Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.**  
**B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.**  
**The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.**  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Isis Inc., Box 1062, York, Pa.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**

Listings in bold face type indicate that the company has advertising appearing in this issue which the reader may consult for more information. To locate an advertisement, see Index on page 52.

# NEW INKS for new surfaces



## the new age of MYLAR, ACETATE AND VINYL

drafting surfaces has created a need for new types of drawing inks. If you've ever tried to "move over" from standard absorbent tracing cloth to a plastic drafting surface, you know how different it is.

*Higgins has met this problem with two new India inks designed specifically for plastic and water-repellent drafting surfaces:*

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PLASTICS BLACK (Blue carton)**

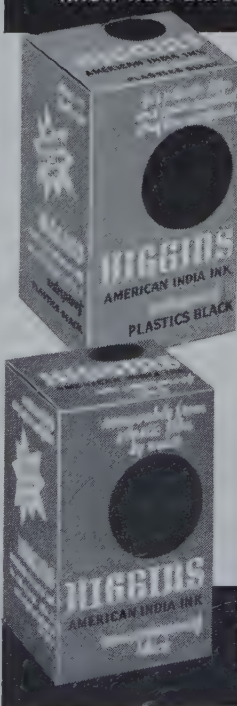
**AND HIGGINS NON-WATERPROOF  
BLACK (Red carton)**

Both inks have the built-in surface tension and capillarity to flow freely and maintain definition of form when used with any drafting instrument. This includes lettering instruments and technical fountain pens. Get your supply today.

*Drafting Material and Art Supply Dealers Everywhere.*

*The International Standard of Excellence*

**HIGGINS INK CO., INC.**  
BROOKLYN, NEW YORK





## COMPASSES, BOW (continued)

Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
The Omicron Co., P.O. Box 907, Glendale, Calif.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## COMPASSES, COMBINATION

**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Graf Apso Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**

## COMPASSES, SURVEYORS'

Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Buff & Buff Mfg. Co., 329 Lamartine St., Jamaica Plain 30, Mass.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Graf Apso Co., 5868 Broadway, Chicago 40, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.

## CONTACT PRINTERS

Ampto, Inc., Hix Ave., Newton, N.J.  
Cormac, 80 Fifth Ave., New York 11, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Direct Reproduction Corp., 811 Union St., Brooklyn 15, N.Y.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
Hunter Photo Copyist, Inc., 566 Spencer St., Syracuse, N.Y.  
LogElectronics Inc., 500 E. Monroe Ave., Alexandria, Va.  
F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
Miller-Trojan Co. Inc., 3 N. Ridge Ave., Troy, Ohio  
Paragon-Revolute Div., Charles Bruning Co. Inc., 77 South Ave., Rochester 4, N.Y.  
Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.  
Transcopy Inc., 10 Paterson Ave., Newton, N.J.

## COORDINATOGRAPH

**Aero Service Corp., 210 E. Courtland St., Philadelphia 20, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.

## COVERS, DRAWING BOARD

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
NeyPaco Paper Corp., 812 Greenwich St., New York 14, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CURVES, ADJUSTABLE

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apso Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Hoyle Engineering Co., 25408 W. Hwy. 66, Barstow, Calif.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CURVES, HIGHWAY

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Hoyle Engineering Co., 25408 W. Hwy. 66, Barstow, Calif.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CURVES, IRREGULAR

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Dolgorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Graf Apso Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Hoyle Engineering Co., 25408 W. Hwy. 66, Barstow, Calif.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

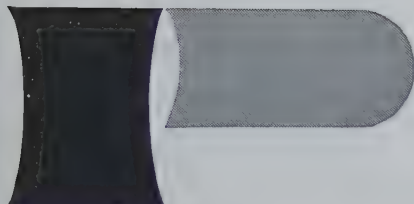
## CURVES, RAILROAD

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Hoyle Engineering Co., 25408 W. Hwy. 66, Barstow, Calif.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

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Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## CUTTING BOARDS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## DEODORANT, AMMONIA

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Oxalid Div., General Aniline & Film Corp., Anasco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Technifax Corp., 195 Appleton St., Holyoke, Mass.

## DESIGN AND DRAFTING SERVICES

The Parco Co., Inc., 116 John St., New York 38, N.Y.

## DEVELOPER, DIAZO, ROTARY

Grico, Inc., 234 W. Portage Trail, Cuyahoga Falls, Ohio  
Reproduction Engineering Corp., Westbrook Rd., Essex, Conn.

## DIVIDER SETTING DEVICE

New Tools, Inc., N. Albany Ave., Amityville, N.Y.

## DIVIDERS

**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## DIVIDERS, PROPORTIONAL

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Fairgate Rule Co. Inc., Cold Spring, N.Y.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.

**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## DRAFTING MACHINES, CHALKBOARD

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
Glideline Corp., 207 North Franklin St., Waynesboro, Pa.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
**Universal Drafting Machine Corp., 7960 Lorain Ave., Cleveland 2, Ohio**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**

## DRAFTING MACHINES, PARALLEL ARM

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Oxalid Div., General Aniline & Film Corp., Anasco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**Universal Drafting Machine Corp., 7960 Lorain Ave., Cleveland 2, Ohio**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## DRAFTING MACHINES, PORTABLE

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Burmar Associates, 156 N. Franklin St., Hempstead, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Draftette Co., P.O. Box 794, Beverly Hills, Calif.  
Drafting Equipment Co., 504 Randolph St., Meadville, Pa.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
Glideline Corp., 207 North Franklin St., Waynesboro, Pa.  
Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
The O. A. Olson Mfg. Co., Dayton Ave. & 13th St., Ames, Iowa  
**Oxalid Div., General Aniline & Film Corp., Anasco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**Universal Drafting Machine Corp., 7960 Lorain Ave., Cleveland 2, Ohio**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## DRAFTING MACHINES, TRACK TYPE

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
Glideline Corp., 207 North Franklin St., Waynesboro, Pa.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
**Universal Drafting Machine Corp., 7960 Lorain Ave., Cleveland 2, Ohio**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.



DRAWING AIDS, UNDERLAY

Graphicraft, P. O. Box 509, Westport, Conn.

DRAWING BOARD ATTACHMENTS

Burmar Associates, 156 N. Franklin St., Hempstead, N.Y.  
Spiroll Products Co., Concord Rd., South Sudbury, Mass.

DRAWING BOARDS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Anco Wood Specialties, Inc., 71-08 80th St., Glendale 27, N.Y.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Burmar Associates, 156 N. Franklin St., Hempstead, N.Y.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
The Fairgate Rule Co., Inc., Cold Spring, N.Y.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
Garrett Tubular Products Inc., 802 E. King St., Garrett, Ind.  
The General Fireproofing Co., Youngstown 1, Ohio  
Gideline Corp., 207 North Franklin St., Waynesboro, Pa.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
Graphostat Co., 110 Eaton Pl., East Orange, N.J.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Ozald Div. General Aniline & Film Corp., Anasco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Republic Steel—Berger Div., 1038 Belden Ave., N.E., Canton 5, Ohio  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
Tesco Products Co., 103 S. Bell, Bellville, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

DRAWING BOARD TOPS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Anco Wood Specialties, Inc., 71-08 80th St., Glendale 27, N.Y.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
Gideline Corp., 207 North Franklin St., Waynesboro, Pa.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
W. H. Long Co., 108-114 W. Illinois St., Chicago 10, Ill.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

DRYERS

Copyamation Inc., 5650 N. Western, Chicago 45, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Paragon-Revolute Div., Charles Bruning Co. Inc., 77 South Ave., Rochester 4, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

EASELS

Chart-Pak, Inc., 1 River Rd., Leeds, Mass.

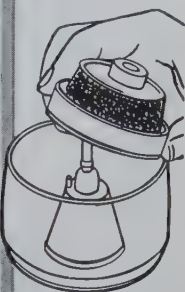
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## ELLIPSE GUIDES

Timely Products Co., Box 416, Baltimore, Ohio

## ELLIPSOGRAPHS

The Fairgate Rule Co. Inc., Cold Spring, N. Y.  
Fowler Engineering Co., 1109 Maple St., Whittier, Calif.  
The Omicron Co., P.O. Box 907, Glendale, Calif.

## ERADICATOR

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Oxalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## ERASERS, GUM

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
Durasol Chemical Co., 325 Marginal St., East Boston 28, Mass.  
**Eagle Pencil Co., Eagle Rd., Danbury, Conn.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
Eberhard Faber Pen & Pencil Co. Inc., Crestwood St., Wilkes-Barre, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Weldon Roberts Rubber Co., 353 Sixth Ave., Newark 7, N.J.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## ERASERS, LIQUID

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Oxalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## ERASERS, RUBBER

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.**  
Blaisdell Pencil Co., Bethayres, Pa.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
Durasol Chemical Co., 325 Marginal St., East Boston 28, Mass.  
**Eagle Pencil Co., Eagle Rd., Danbury, Conn.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
Eberhard Faber Pen & Pencil Co. Inc., Crestwood St., Wilkes-Barre, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
David Kahn, Inc., 1109 Grand Ave., North Bergen, N.J.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**

Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Weldon Roberts Rubber Co., 353 Sixth Ave., Newark 7, N.J.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## ERASERS, VINYL

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.**  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Eagle Pencil Co., Eagle Rd., Danbury, Conn.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
Eberhard Faber Pen & Pencil Co. Inc., Crestwood St., Wilkes-Barre, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
A. Langnickel, Inc., 115 W. 31st St., New York 1, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.**  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## ERASING MACHINES

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## ERASING SHIELDS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Emeloid Co., Inc., 1239 Central Ave., Hillside, N.J.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## FACSIMILE SYSTEMS

Hogan Faximile Corp., 635 Greenwich St., New York 14, N.Y.

## FILES, APERTURE CARD

Corry Jamestown Corp., Corry, Pa.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Mosler Safe Co., 320 Park Ave., New York 22, N.Y.  
Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
Remington Rand Systems, Div. Sperry Rand Corp., 122 E. 42 St., New York 17, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.





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**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Corry Jamestown Corp., Corry, Pa.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
Frontier Mfg. Co., 11200 Harry Hines Blvd., Dallas 20, Tex.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Pack Mfg. Co., 55 W. 1st North, Logan, Utah  
**Plan Hold Corp., 5204 Chakemco St., South Gate, Calif.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## FILES, DRAWING, SHALLOW DRAWER

All-Steel Equipment Inc., Aurora, Ill.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Corry Jamestown Corp., Corry, Pa.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Lyon Metal Products, Inc., 39 Railroad Ave., Aurora, Ill.  
Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Parent Metal Products, Inc., 6805 State Rd., Philadelphia 35, Pa.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Republic Steel—Berger Div., 1038 Belden Ave. N.E., Canton 5, Ohio  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## FILES, DRAWING, VERTICAL

Acco Products, Inc., Riverside Dr., Ogdensburg, N.Y.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Art Metal, Inc., Jamestown, N.Y.  
Atlas Vertical Filing Systems, 16716 Westfield Ave., Cleveland 10, Ohio  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Dancer Stikfile Co., P. O. Box 10221, Houston 18, Tex.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Lewbill Industries, Inc., P.O. Box 221, Scottsdale, Pa.  
Momar Industries, 4176 W. Montrose, Chicago 41, Ill.  
**Plan Hold Corp., 5204 Chakemco St., South Gate, Calif.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Remington Rand Systems, Div. Sperry Rand Corp., 122 E. 42 St., New York 17, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.

## FILES, FILTER FRAME

The Nega-File Co., P.O. Box 405, Doylestown, Pa.

## FILES, MICROFILM

The Nega-File Co., P.O. Box 405, Doylestown, Pa.  
Watson Mfg. Co., Inc., 63 Taylor St., Jamestown, N.Y.

## FILM, ACETATE, DIAZO

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nord Photocopy & Electronics Corp., 300 Denton Ave., New Hyde Park, L.I., N.Y.  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Tecifax Corp., 195 Appleton St., Holyoke, Mass.

## FILM, ACETATE, DRAFTING

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Direct Reproduction Corp., 811 Union St., Brooklyn 15, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**

## FILM, ACETATE, SCRIBE COAT

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## FILM, ADHESIVE COATED

**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.

## FILM AND PAPER CLEANER

Hampton Processes, Inc., Sparta, N.J.

## FILM, PHOTOGRAPHIC

Ampto, Inc., Hix Ave., Newton, N.J.  
Anken Chemical & Film Corp., Newton, N.J.  
Cormac, 80 Fifth Ave., New York 11, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**E. I. du Pont de Nemours & Co., Inc., Photo Products Dept., Wilmington 98, Del.**  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Transcopy Inc., 10 Paterson Ave., Newton, N.J.

## FILM, POLYESTER, BLACK LINE

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
Tecifax Corp., 195 Appleton St., Holyoke, Mass.

## FILM, POLYESTER, CONTACT

Ampto, Inc., Hix Ave., Newton, N.J.  
Anken Chemical & Film Corp., Newton, N.J.  
Cormac, 80 Fifth Ave., New York 11, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**E. I. du Pont de Nemours & Co., Inc., Photo Products Dept., Wilmington 98, Del.**  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Transcopy, Inc., 10 Paterson Ave., Newton, N.J.

## FILM, POLYESTER, CONTACT WASHOFF

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.



FILM, POLYESTER, DIRECT POSITIVE

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**E. I. du Pont de Nemours & Co., Inc., Photo Products Dept., Wilmington 98, Del.**  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

FILM, POLYESTER, DRAFTING

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Arkwright-Interiaken, Inc., Main St., Fiskeville, R.I.  
Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Direct Reproduction Corp., 811 Union St., Brooklyn 15, N.Y.  
**E. I. du Pont de Nemours & Co., Inc., Photo Products Dept., Wilmington 98, Del.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
Mico/Type Inc., 6551 Sunset Blvd., Los Angeles 28, Calif.  
National Tracing Paper Div., 600 E. Ohio St., Indianapolis 7, Ind.  
NeyPaco Paper Corp., 812 Greenwich St., New York 14, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
Technifax Corp., 195 Appleton St., Holyoke, Mass.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

FILM, POLYESTER, HEAT DEVELOPING

Kalvar Corp., 909 S. Broad St., New Orleans 25, La.

FILM, POLYESTER, PEEL COAT

Direct Reproduction Corp., 811 Union St., Brooklyn 15, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

FILM, POLYESTER, PROJECTION

American Photocopy Eqpt. Co., 2100 W. Dempster St., Evanston, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**E. I. du Pont de Nemours & Co., Inc., Photo Products Dept., Wilmington 98, Del.**  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

FILM, POLYESTER, SCRIBE COAT

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Direct Reproduction Corp., 811 Union St., Brooklyn 15, N.Y.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

FILM, POLYESTER, SEPIA

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.

*Listings in bold face type indicate that the company has advertising appearing in this issue which the reader may consult for more information. To locate an advertisement, see Index on page 52.*

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## FILM, PREPRINTED SHEETS

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## FIXATIVE, SPRAY-ON

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Eagle Pencil Co., Eagle Rd., Danbury, Conn.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Eberhard Faber Pen & Pencil Co., Inc., Crestwood St., Wilkes-Barre, Pa.**  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
Krylon, Inc., Ford & Washington Sts., Norristown, Pa.  
Mico/Type Inc., 6551 Sunset Blvd., Los Angeles 28, Calif.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## FOLDING MACHINES, PRINT

The Dexter Co., 2011 Hastings St., Chicago, Ill.  
R. Funk & Co., Inc., 755 N. Easton Rd., Doylestown, Pa.

## HOLDERS, PEN AND PENCIL

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
**Eagle Pencil Co., Eagle Rd., Danbury, Conn.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N. Y.**  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
David Kahn, Inc., 1109 Grand Ave., North Bergen, N.J.  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.

## INK, ACETATE

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
American Writing Ink Co., Inc., 16 Hathaway St., Boston 10, Mass.  
Artone Color Corp., 87 Broadway, Jersey City 6, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland, 12, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Higgins Ink Co., Inc., 271 Ninth St., Brooklyn 15, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
Talens & Sons, Inc., P. O. Box 453, Union, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## INK, BLOCK OUT

**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.

## INK CARTRIDGES

**Higgins Ink Co., Inc., 271 Ninth St., Brooklyn 15, N.Y.**

## INK, COLORED

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
American Writing Ink Co., Inc., 16 Hathaway St., Boston 10, Mass.  
Artone Color Corp., 87 Broadway, Jersey City 6, N.J.  
**Bienfang Paper Co., Inc., Box 408 Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Higgins Ink Co., Inc., 271 Ninth St., Brooklyn 15, N.Y.**  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
Talens & Son, Inc., P. O. Box 453, Union, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## INK, INDIA

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
American Writing Ink Co., Inc., 16 Hathaway St., Boston 10, Mass.  
Artone Color Corp., 87 Broadway, Jersey City 6, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Higgins Ink Co., Inc., 271 Ninth St., Brooklyn 15, N.Y.**  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Talens & Son, Inc., P.O. Box 453, Union, N.J.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## INK, OFFSET

American Writing Ink Co., Inc., 16 Hathaway St., Boston 10, Mass.  
A. B. Dick Co., 5700 W. Touhy Ave., Chicago 48, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.

## INKSTANDS

B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Higgins Ink Co., Inc., 271 Ninth St., Brooklyn 15, N.Y.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.

## INSTRUMENT REPAIRS

Du-All Instrument Service, 4961 E. Eight Mile Rd., Warren, Mich.

## INTERMEDIATES, DIAZO

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
H. Cole Co., 82 N. High St., Columbus, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**

*Listings in bold face type indicate that the company has advertising appearing in this issue which the reader may consult for more information. To locate an advertisement, see Index on page 52.*



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## INTERMEDIATES, DIAZO (continued)

**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
**Ozalid Div., General Aniline & Film Corp., Anso Co. Rd., Johnson City, N.Y.**  
Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## KITS, DRAFTING

Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.

## KNIVES, INTERCHANGEABLE BLADE

Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Handicraft Tools, Inc., 48-99 Van Dam St., Long Island City 1, N.Y.**  
Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Anso Co. Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**X-acto Inc., 48-41 Van Dam St., Long Island City 1, N.Y.**

## LAMINATING MACHINES

American Photocopy Eqp. Co., 2100 W. Dempster St., Evanston, Ill.  
Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.

## LAMPS, ARC

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Miller-Trojan Co., Inc., 3 N. Ridge Ave., Troy, Ohio  
nuArc Co., Inc., 4110 W. Grand Ave., Chicago 51, Ill.  
PEK Labs., Inc., 4024 Transport St., Palo Alto, Calif.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## LAMPS, DRAWING BOARD

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Amplex Corp., 214 Glen Cove Rd., Carle Place, N.Y.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
Isis Inc., Box 1062, York, Pa.  
Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
Luxo Lamp Corp., Dock St., Port Chester, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Swing-o-Lite Inc., 13 Moonachie Rd., Hackensack, New Jersey  
Tensor Electric Development Co., Inc., 1873 Eastern Pkwy., Brooklyn 33, N.Y.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.

## LAMPS, FLOATING ARM

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Amplex Corp., 214 Glen Cove Rd., Carle Place, N.Y.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Luxo Lamp Corp., Dock St., Port Chester, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Swing-o-Lite Inc., 13 Moonachie Rd., Hackensack, N.J.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## LAMPS, FLUORESCENT

Amplex Corp., 214 Glen Cove Rd., Carle Place, N.Y.  
Luxo Lamp Corp., Dock St., Port Chester, N.Y.

## LAMPS, MAGNIFYING

Amplex Corp., 214 Glen Cove Rd., Carle Place, N.Y.  
Luxo Lamp Corp., Dock St., Port Chester, N.Y.

## LAMPS, MERCURY VAPOR

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Copymat Inc., 5650 N. Western, Chicago 45, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Hanovia Lamp Div., Englehard Industries, Inc., 100 Chestnut St., Newark, N. J.  
Luxo Lamp Corp., Dock St., Port Chester, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Anso Co. Rd., Johnson City, N.Y.**  
Paragon-Revolute Div., Charles Bruning Co., Inc., 77 South Ave., Rochester 4, N.Y.  
PEK Labs, Inc., 4024 Transport St., Palo Alto, Calif.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Quartz Mercury Lamp Rebuilders, P. O. Box 557, Torrance, Calif.  
Quartz Radiation Corp., 54 Summer Ave., Newark 9, N.J.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## LAMPS, SWIVEL ARM

Tensor Electric Development Co., Inc., 1873 Eastern Pkwy., Brooklyn 33, N.Y.

## LEAD HOLDERS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
**Eagle Pencil Co., Eagle Rd., Danbury, Conn.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
**Eberhard Faber Pen & Pencil Co. Inc., Crestwood St., Wilkes-Barre, Pa.**  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
General Pencil Co., 67 Fleet St., Jersey City 6, N.J.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## LEAD POINTERS

Airmate Co., Box 3282, Toledo 7, Ohio  
**Theo. Alteneider & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

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## LEADS, COMPASS

Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.  
 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Koh-I-Noor, Inc., North St., Bloomsbury, N.J.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Panda Pencil Lead Inc., 760 Waveland Ave., Chicago 13, Ill.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## LEADS, DRAWING, COLORED

Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.  
 Eagle Pencil Co., Eagle Rd., Danbury, Conn.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.  
 Eberhard Faber Pen & Pencil Co., Inc., Crestwood St., Wilkes-Barre, Pa.  
 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Koh-I-Noor, Inc., North St., Bloomsbury, N.J.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Panda Pencil Lead Inc., 760 Waveland Ave., Chicago 13, Ill.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## LEADS, DRAWING, GRAPHITE

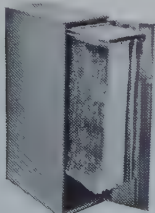
Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.  
 Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.  
 Eagle Pencil Co., Eagle Rd., Danbury, Conn.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.  
 Eberhard Faber Pen & Pencil Co., Inc., Crestwood St., Wilkes-Barre, Pa.  
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 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Koh-I-Noor, Inc., North St., Bloomsbury, N.J.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Panda Pencil Lead Inc., 760 Waveland Ave., Chicago 13, Ill.  
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 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
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 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## LEADS, DRAWING, PLASTIC

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 Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.  
 Eagle Pencil Co., Eagle Rd., Danbury, Conn.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.  
 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Koh-I-Noor, Inc., North St., Bloomsbury, N.J.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.  
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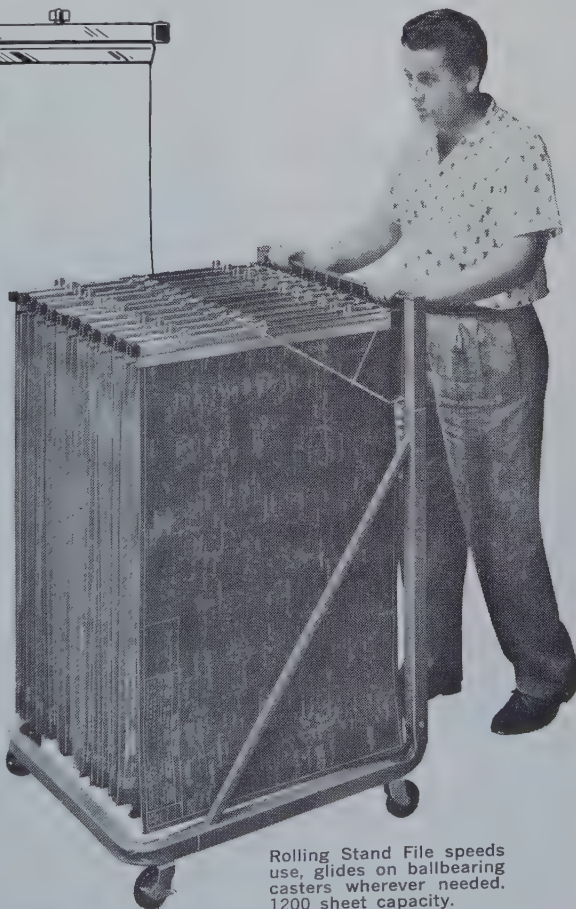
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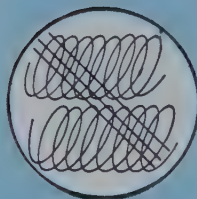


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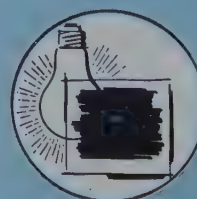
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Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
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Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Dolgorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
The O. A. Olson Mfg. Co., Dayton Ave. & 13th St., Ames, Iowa  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
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**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speed-O-Print Business Machines Corp., 1801 W. Larchmont Ave., Chicago 13, Ill.  
Technifax Corp., 195 Appleton St., Holyoke, Mass.  
**Timely Products Co., Box 416, Baltimore, Ohio**  
Unitech Corp., 50 Colfax Ave., Clifton, N. J.  
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**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
The Wood-Regan Instrument Co., Inc., 184 Franklin Ave., Nutley 10, N.J.

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Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Dolgorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
The O. A. Olson Mfg. Co., Dayton Ave. & 13th St., Ames, Iowa  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Technifax Corp., 195 Appleton St., Holyoke, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N. J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Varigraph Co., 1480 Martin St., Madison 5, Wis.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
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**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
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B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
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Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N. Y.**  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
Remington Rand Systems, Div. Sperry Rand Corp., 122 E. 42 St., New York 17, N.Y.  
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**Microfilm Products Div., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.**  
Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
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Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.  
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Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
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 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
**Microfilm Products Div., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.**  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
 Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## MICROFILM CODERS

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## MICROFILM ENLARGER

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 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
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**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
 Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
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**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
 Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
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 Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
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 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Hogan Faximile Corp., 635 Greenwich St., New York 14, N.Y.  
 Kalvar Corp., 909 S. Broad St., New Orleans 25, La.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
**Microfilm Products Div., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.**  
**Ozolid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
 Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
 Remington Rand Systems, Div. Sperry Rand Corp., 122 E. 42 St., New York 17, N.Y.  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
 Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

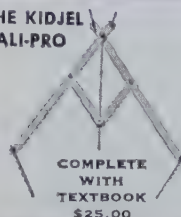
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 Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
 Kalvar Corp., 909 S. Broad St., New Orleans 25, La.  
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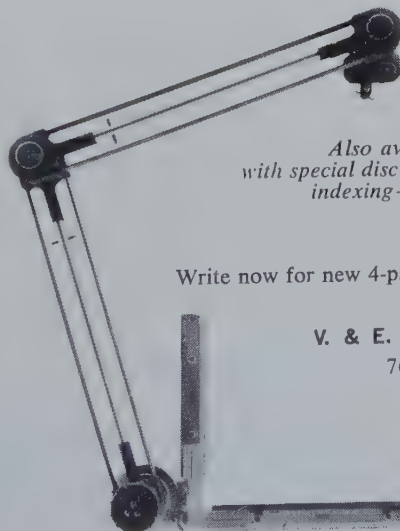
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**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
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Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
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Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Hogan Faximile Corp., 635 Greenwich St., New York 14, N.Y.  
Kalvar Corp., 909 S. Broad St., New Orleans 25, La.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
**Microfilm Products Div., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.**  
Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## MICROFILM READERS

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
**Microfilm Products Div., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
Photo Devices, Inc., 33 Litchfield St., Rochester 8, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
Recordak Corp., 415 Madison Ave., New York 17, N.Y.  
Remington Rand Systems, Div. Sperry Rand Corp., 122 E. 42 St., New York 17, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## MICROFILM ROLL-TO-CARD PRINTERS

Kalvar Corp., 909 S. Broad St., New Orleans 25, La.

## MICROFILM ROLL-TO-ROLL PRINTERS

Kalvar Corp., 909 S. Broad St., New Orleans 25, La.

## MICROFILM VIDEO SYSTEMS

Nord Photocopy & Electronics Corp., 300 Denton Ave., New Hyde Park, L.I., N.Y.

## MOUNTING BOARDS

Charles T. Bainbridge's Sons, 20 Cumberland St., Brooklyn 5, N.Y.

## OFFSET DUPLICATING EQUIPMENT

Copease Corp., 425 Park Ave., New York 22, N.Y.  
A. B. Dick Co., 5700 W. Touhy Ave., Chicago 48, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## OFFSET DUPLICATING SUPPLIES

American Writing Ink Co., Inc., 16 Hathaway St., Boston 10, Mass.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.

Copease Corp., 425 Park Ave., New York 22, N.Y.  
A. B. Dick Co., 5700 Touhy Ave., Chicago 48, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
**Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.**  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

## OFFSET PLATE MAKING EQUIPMENT

nuArc Co., Inc., 4110 W. Grand Ave., Chicago 51, Ill.  
Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

## OPAQUING MEDIUMS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
Direct Reproduction Corp., 811 Union St., Brooklyn 15, N.Y.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.

## PANTOGRAPHS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PAPER, BLUE PRINT

Adelphi Research & Mfg. Co., 3745 N. 2nd St., Philadelphia 40, Pa.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
H. Cole Co., 82 N. High St., Columbus, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PAPER, BRISTOL BOARD

Charles T. Bainbridge's Sons, 20 Cumberland St., Brooklyn 5, N.Y.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**

## PAPER, COORDINATE

Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
**Clearprint Paper Co., 1482 67th St., Emeryville, Calif.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Fitchburg Paper Co., Fitchburg, Mass.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

Listings in bold face type indicate that the company has advertising appearing in this issue which the reader may consult for more information. To locate an advertisement, see Index on page 52.

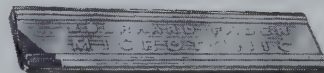




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MICROTOMIC DRAWING PENCILS by Eberhard Faber are the choice of professionals. Produced in 18 uniform lead degrees...and chisel points in 6 degrees. Durable, precision-made MICROTOMIC lead holders with or without Eberhard Faber's new "degree window" are available too—priced from \$1.00. For special jobs on coated drafting films, Eberhard Faber offers new MICROLAR pencils with plastic lead in popular degrees. MICROTOMIC pencils are PERFECT FOR EVERY PROJECT.



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Wilkes-Barre, Pennsylvania-New York-Toronto, Canada

Tm. Reg. U.S. Pat. Off. and Other Countries



## PAPER, DIAZO, CONTINUOUS TONE

Adelphi Research & Mfg. Co., 3745 N. 2nd St., Philadelphia 40, Pa.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp. 34 S. 16th St., Philadelphia 2, Pa.**  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.

## PAPER, DIAZO, DRY

Adelphi Research & Mfg. Co., 3745 N. 2nd St., Philadelphia 40, Pa.  
Azon Corp., Johnson City, N.Y.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
H. Cole Co., 82 N. High St., Columbus, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Rotolite Sales Corp., 326 Essex St., Stirling, N.J.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PAPER, DIAZO, MOIST

Azon Corp., Johnson City, N.Y.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
H. Cole Co., 82 N. High St., Columbus, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PAPER, DIAZO, PROJECTION

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Paterson Parchment Paper Co., Bristol, Pa.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.

## PAPER, DIFFUSION TRANSFER

Nord Photocopy & Electronics Corp., 300 Denton Ave., New Hyde Park, L. I., N. Y.

## PAPER, DRAWING

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles T. Bainbridge's Sons, 20 Cumberland St., Brooklyn 5, N. Y.  
Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
NeyPaco Paper Corp., 812 Greenwich St., New York 14, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.  
Strathmore Paper Co., Front St., West Springfield, Mass.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.

U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
George Vincent, Inc., 95 Industrial Ave. E., Clifton, N.J.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

## PAPER, ELECTROSTATIC

American Photocopy Eqpt. Co., 2100 W. Dempster St., Evanston, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.

## PAPER, HEAT DEVELOPING

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
Kalvar Corp., 909 S. Broad St., New Orleans 25, La.  
Labelon Tape Co., 10 Chapin St., Canadagua, N. Y.

## PAPER, ILLUSTRATION BOARD

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles T. Bainbridge's Sons, 20 Cumberland St., Brooklyn 5, N.Y.  
Bee Paper Co., Inc., P. O. Box 1016, Passaic, N. J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
Crescent Cardboard Co., 1240 N. Homan Ave., Chicago 51, Ill.  
Di Carlo Pen Co., 3 Station Rd., Madison, N. J.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
Isis Inc., Box 1062, York, Pa.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Strathmore Paper Co., Front St., West Springfield, Mass.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PAPER, NEGATIVE

**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**

## PAPER, NON-REPRODUCIBLE GRID

Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
**Clearprint Paper Co., 1482 67th St., Emeryville, Calif.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Fitchburg Paper Co., Fitchburg, Mass.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Ansco Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

## PAPER, ONION SKIN

Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
NeyPaco Paper Corp., 812 Greenwich St., New York 14, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Strathmore Paper Co., Front St., West Springfield, Mass.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

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## PAPER, PARCHMENT

Strathmore Paper Co., Front St., West Springfield, Mass.

## PAPER, PHOTOGRAPHIC

Ampto, Inc., Hix Ave., Newton, N.J.  
Anken Chemical & Film Corp., Newton, N.J.  
Cormac, 80 Fifth Ave., New York 11, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**Eastman Kodak Co., 343 State St., Rochester 4, N.Y.**  
Hunter Photo Copyist, Inc., 566 Spencer St., Syracuse, N.Y.  
F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
Microdealers Inc., 1560 Trapelo Rd., Waltham 54, Mass.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Transcopy Inc., 10 Paterson Ave., Newton, N.J.  
Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

## PAPER, PREPRINTED SHEETS

**Clearprint Paper Co., 1482 67th St., Emeryville, Calif.**  
National Tracing Paper Div., 600 E. Ohio St., Indianapolis 7, Ind.  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.

## PAPER, SECTION PROFILE

Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
**Clearprint Paper Co., 1482 67th St., Emeryville, Calif.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Fitchburg Paper Co., Fitchburg, Mass.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PAPER, SILVER-SENSITIZED

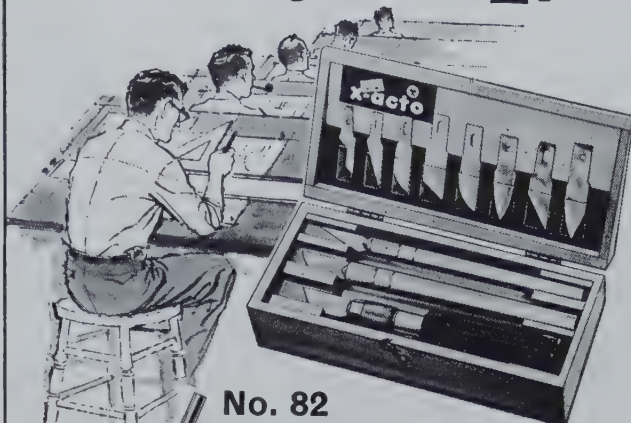
Ampto, Inc., Hix Ave., Newton, N.J.  
Anken Chemical & Film Corp., Newton, N.J.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cormac, 80 Fifth Ave., New York 11, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
Eastman Kodak Co., 343 State St., Rochester 4, N.Y.  
Hunter Photo Copyist, Inc., 566 Spencer St., Syracuse, N.Y.  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
Nord Photocopy & Electronics Corp., 300 Denton Ave., New Hyde Park, L.I., N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Speed-O-Print Business Machines Corp., 1801 W. Larchmont Ave., Chicago 13, Ill.  
Transcopy Inc., 10 Paterson Ave., Newton, N.J.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PAPER, TRACING

Adelphi Research & Mfg. Co., 3745 N. 2nd St., Philadelphia 40, Pa.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Azon Corp., Johnson City, N.Y.  
Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
**Clearprint Paper Co., 1482 67th St., Emeryville, Calif.**  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Fitchburg Paper Co., Fitchburg, Mass.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
National Tracing Paper Div., 600 E. Ohio St., Indianapolis 7, Ind.  
NeyPaco Paper Corp., 812 Greenwich St., New York 14, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.

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### No. 82 Knife Chest

A quick twist and blade is instantly released for refill.

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Division of X-ACTO, Inc.

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## WATERPROOF PIGMENT DRAWING INK

In 8 brilliant opaque colors, black and white. Ideal for crow-quill, ruling and lettering pens; brush and airbrush. Free-flowing even from the finest point.

In reproduction, these inks retain their intensity and brilliancy. Completely undisturbed by water-color overwashes.

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In 1-ounce, pint and quart bottles, at art supply and stationery stores everywhere.

**F. WEBER CO. Philadelphia 23, Pa.**



## PAPER, TRACING (continued)

**Oxalid Div., General Aniline & Film Corp., Anseo Rd., Johnson City, N.Y.**  
Paterson Parchment Paper Co., Bristol, Pa.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
George Vincent, Inc., 95 Industrial Ave. E., Clifton, N.J.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

## PAPER, TRANSLUCENT MASTER

**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**

## PAPER, VELLUM

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Azon Corp., Johnson City, N.Y.  
Bee Paper Co., Inc., P.O. Box 1016 Passaic, N.J.  
**Bienfang Paper Co., Inc., Box 408, Metuchen, N.J.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
Hunter Photo Copyist, Inc., 566 Spencer St., Syracuse, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Keystone Blue Paper Co., 1230 Arch St., Philadelphia 7, Pa.**  
National Tracing Paper Div., 600 E. Ohio St., Indianapolis 7, Ind.  
NeyPaco Paper Corp., 812 Greenwich St., New York 14, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Oxalid Div., General Aniline & Film Corp., Anseo Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Speed-O-Print Business Machines Corp., 1801 W. Larchmont Ave., Chicago 13, Ill.  
Speidel & Co., Inc., 614 Baltimore Ave., Fernwood 1, Pa.  
Stan-Tone Inc., 209 Jefferson Ave., Scranton 10, Pa.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
George Vincent, Inc., 95 Industrial Ave. E., Clifton, N.J.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

## PEN CLEANER

Artone Color Corp., 87 Broadway, Jersey City 6, N.J.  
**Higgins Ink Co., Inc., 271 Ninth St., Brooklyn 15, N.Y.**

## PEN HOLDERS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
General Pencil Co., 67 Fleet St., Jersey City 6, N.J.  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
David Kahn, Inc., 1109 Grand Ave., North Bergen, N.J.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

*Listings in bold face type indicate that the company has advertising appearing in this issue which the reader may consult for more information. To locate an advertisement, see index on page 52.*

## PEN POINTS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
David Kahn, Inc., 1109 Grand Ave., North Bergen, N.J.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Oxalid Div., General Aniline & Film Corp., Anseo Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PENCIL POINTERS

Elward Mfg. Co., Baker St., Coloma, Mich.  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**

## PENCIL SHARPENERS, ELECTRIC

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.

## PENCIL SHARPENERS, MECHANICAL

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
Jones & Co., P.O. Box 2074, South Bend, Ind.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PENCILS, COLORED

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.**  
Blaisdell Pencil Co., Bethayres, Pa.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
**Eagle Pencil Co., Eagle Rd., Danbury, Conn.**  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
**Eberhard Faber Pen & Pencil Co., Inc., Crestwood St., Wilkes-Barre, Pa.**  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
General Pencil Co., 67 Fleet St., Jersey City 6, N.J.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**J. S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.



## PENCILS, COMBINATION

Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Joder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.  
 Eagle Pencil Co., Eagle Rd., Danbury, Conn.  
 K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 General Pencil Co., 67 Fleet St., Jersey City 6, N.J.  
 Heffelf & Esser Co., 300 Adams St., Hoboken, N.J.  
 Jobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Polar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.

## PENCILS, GRAPHITE

Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.  
 Jaisdell Pencil Co., Bethayres, Pa.  
 Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Joder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.  
 Eagle Pencil Co., Eagle Rd., Danbury, Conn.  
 K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.  
 Berhard Faber Pen & Pencil Co., Inc., Crestwood St., Wilkes-Barre, Pa.  
 General Pencil Co., 67 Fleet St., Jersey City 6, N.J.  
 Ramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.  
 Heffelf & Esser Co., 300 Adams St., Hoboken, N.J.  
 Moh-I-Noor, Inc., North St., Bloomsbury, N.J.  
 Jobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Morris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Polar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.  
 Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.  
 H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PENCILS, PLASTIC


Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.  
 Eagle Pencil Co., Eagle Rd., Danbury, Conn.  
 K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Berhard Faber Pen & Pencil Co., Inc., Crestwood St., Wilkes-Barre, Pa.  
 Heffelf & Esser Co., 300 Adams St., Hoboken, N.J.  
 Moh-I-Noor, Inc., North St., Bloomsbury, N.J.  
 Jobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Polar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PENCILS, SPECIAL PURPOSE

Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Richard Best Pencil Co., 213 Mountain Ave., Springfield, N.J.  
 Jaisdell Pencil Co., Bethayres, Pa.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.  
 Eagle Pencil Co., Eagle Rd., Danbury, Conn.  
 W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.  
 Berhard Faber Pen & Pencil Co., Inc., Crestwood St., Wilkes-Barre, Pa.  
 General Pencil Co., 67 Fleet St., Jersey City 6, N.J.  
 Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
 Heffelf & Esser Co., 300 Adams St., Hoboken, N.J.  
 Moh-I-Noor, Inc., North St., Bloomsbury, N.J.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 S. Staedtler, Inc., P.O. Box 205, Hackensack, N.J.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Venus Pen & Pencil Corp., 50 W. 44 St., New York 36, N.Y.

## PENCILS, BRUSH

Carlo Pen Co., 3 Station Rd., Madison, N.J.  
 Lockwood Co., 336 Boston Post Rd., Milford, Conn.

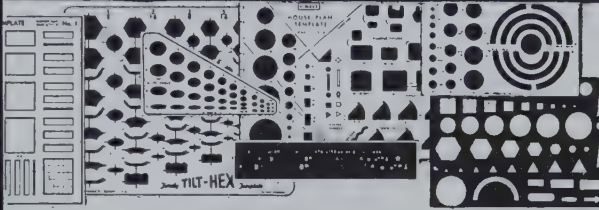


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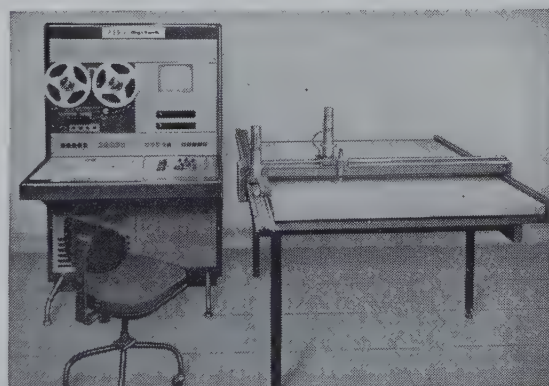
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Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 The Graf Apco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
 John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
 Lockwood Co., 336 Boston Post Rd., Milford, Conn.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PENS, LETTERING

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
 The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
 Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 The Graf Apco Co., 5868 Broadway, Chicago 40, Ill.  
 John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
 The Wood-Regan Instrument Co., Inc., 184 Franklin Ave., Nutley 10, N.J.

## PENS, MAPPING

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Di Carlo Pen Co., 3 Station Rd., Madison, N.J.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PENS, RULING

Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 The Graf Apco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.

Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PENS, TAPE DRAFTING

Chart-Pak, Inc., 1 River Rd., Leeds, Mass.  
 Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.

## PENS, TECHNICAL FOUNTAIN

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**C. Howard Hunt Pen Co., 7th & State Sts., Camden 1, N.J.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Ozalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Talens & Son, Inc., P.O. Box 453, Union, N.J.  
 Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PERSPECTIVE CHARTS

Graphicraft, P.O. Box 509, Westport, Conn.

## PHOTOCOPY ACCESSORIES

Ampto, Inc., Hix Ave., Newton, N.J.  
 Cormac, 80 Fifth Ave., New York 11, N.Y.  
 Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
 F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
 Transcopy Inc., 10 Paterson Ave., Newton, N.J.

## PHOTOCOPY MACHINES, CONTINUOUS PRINTING

Paragon-Revolute Div., Charles Bruning Co., Inc., 77 South Ave., Rochester 4, N.Y.  
 Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

## PHOTOCOPY MACHINES, DIAZO, DRY

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Copymation Inc., 5650 N. Western, Chicago 45, Ill.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
 Grico, Inc., 234 W. Portage Trail, Cuyahoga Falls, Ohio  
 F. G. Ludwig, Inc., 710 Coulter St., Old Saybrook, Conn.  
**Ozalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
 Paragon-Revolute Div., Charles Bruning Co., Inc., 77 South Ave., Rochester 4, N.Y.  
 Reproduction Engineering Corp., Westbrook Rd., Essex, Conn.  
 Rotolite Sales Corp., 326 Essex St., Stirling, N.J.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PHOTOCOPY MACHINES, DIAZO, MOIST

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**Ozalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**

*Listings in bold face type indicate that the company has advertising appearing in this issue which the reader may consult for more information. To locate an advertisement, see Index on page 52.*



## PHOTOCOPY MACHINES, DIFFUSION TRANSFER

Ampto, Inc., Hix Ave., Newton, N.J.  
Anken Chemical & Film Corp., Newton, N.J.  
Copease Corp., 425 Park Ave., New York 22, N.Y.  
Cormac, 80 Fifth Ave., New York 11, N.Y.  
A. B. Dick Co., 5700 W. Touhy Ave., Chicago 48, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
Nord Photocopy & Electronics Corp., 300 Denton Ave., New Hyde Park, L.I., N.Y.  
Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
Rayvin Business Machines Corp., 161 Sixth Ave., New York 13, N.Y.  
Speed-O-Print Business Machines Corp., 1801 W. Larchmont Ave., Chicago 13, Ill.  
Transcopy Inc., 10 Paterson Ave., Newton, N.J.

## PHOTOCOPY MACHINES, DYE TRANSFER

Eastman Kodak Co., 343 State St., Rochester 4, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**

## PHOTOCOPY MACHINES, ELECTROSTATIC

American Photocopy Eqpt. Co., 2100 W. Dempster St., Evanston, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
Rayvin Business Machines Corp., 161 Sixth Ave., New York 13, N.Y.  
Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

## PHOTOCOPY MACHINES, HEAT DEVELOPING

Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Ditto, Inc., 6862 McCormick Rd., Chicago 45, Ill.  
Kalvar Corp., 909 S. Broad St., New Orleans 25, La.  
**Microfilm Products Div., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.**

## PHOTOCOPY MACHINES, PHOTOGRAPHIC STABILIZATION

Peerless Photo Products, Inc., Rt. 25A, Shoreham, N.Y.

## PHOTOCOPY MACHINES, PROJECTION

**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**

## PHOTOCOPY MACHINES, REDUCTION PRINTING

Paragon-Revolute Div., Charles Bruning Co., Inc., 77 South Ave., Rochester 4, N.Y.  
Xerox Corp., P.O. Box 1540, Rochester 3, N.Y.

## PHOTODRAFTING MACHINES

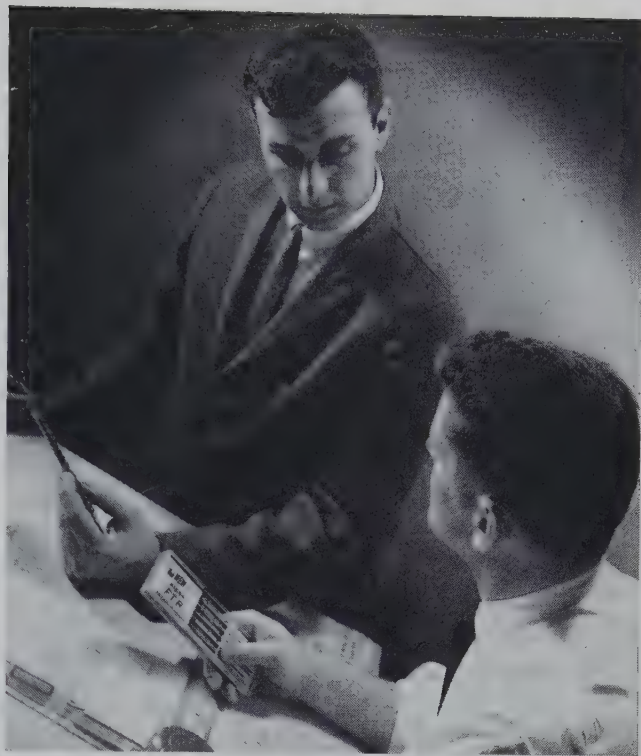
Art-O-Graph Inc., 340 Sexton Bldg., 529 S. 7th St., Minneapolis 15, Minn.  
Intertype Co., 360 Furman St., Brooklyn 1, N.Y.  
LogElectronics Inc., 500 E. Monroe Ave., Alexandria, Va.

## PHOTOGRAMMETRIC EQUIPMENT

Art-O-Graph Inc., 340 Sexton Bldg., 529 S. 7th St., Minneapolis 15, Minn.  
**Federick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Nitech Corp., 50 Colfax Ave., Clifton, N.J.

## PLANIMETERS

Avlin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Leffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Oris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Federick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Nitech Corp., 50 Colfax Ave., Clifton, N.J.  
Parren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.



WILLIAM F. SOLIMINE, Drafting Supervisor • FRED GROVER, Draftsman

## "WE SWITCHED TO F.T.R. at Raytheon"

says William F. Solimine, Drafting Supervisor

"In the drafting department at Raytheon's Surface Radar and Navigation Operation, Wayland, Massachusetts we were not at all satisfied with the performance of pencils used with polyester drafting film. Then we discovered the Dixon F.T.R. Pencils with their combination of plastic and graphite. After performing various trials and tests we were convinced that the Dixon F.T.R. Pencils provided optimum performance. The pencils produced sharp, clean points, uniformity of line, and compatibility with drafting film. We have had excellent results with F.T.R. ever since."

WE INVITE YOU TO MAKE A PRODUCTION RUN UNDER YOUR OWN PARTICULAR CONDITIONS. WRITE FOR FREE SAMPLES AND INFORMATION. F.T.R. LEADS ARE AVAILABLE IN SIX DEGREES OF PENCILS AND REFILL LEADS.

F.T.R. 11, 22, 33, 44, 55, 66

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Write for free samples and information.

THE JOSEPH **DIXON**  
CRUCIBLE COMPANY

TECHNICAL RESEARCH DEPT. GS,  
JERSEY CITY 3, N. J.



## POWDER, TRACING CLOTH

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## PRINTER, VACUUM

Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
Hunter Photo Copyist, Inc., 566 Spencer St., Syracuse, N.Y.  
Miller-Trojan Co. Inc., 3 N. Ridge Ave., Troy, Ohio  
nuArc Co., Inc., 4110 W. Grand Ave., Chicago 51, Ill.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Savin Business Machines Corp., 161 Sixth Ave., New York 13, N.Y.

## PROTRACTORS, ADJUSTABLE

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**

## PROTRACTORS, METAL

**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.

## PROTRACTORS, TRANSPARENT

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
A. Langnickel, Inc., 115 W. 31st St., New York 1, N.Y.  
Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
The O. A. Olson Mfg. Co., Dayton Ave. & 13th St., Ames, Iowa  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

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## REPRODUCER, ELECTRONIC SCANNING

Fairchild Graphic Equip. Div., Fairchild Camera & Instrument Corp., Plainview, L.I., N.Y.  
Gestetner Corp., 216 Lake Ave., Yonkers, N.Y.

## RULERS

**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
**The Joseph Dixon Crucible Co., 167 Wayne St., Jersey City 3, N.J.**  
Dolgorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Emeloid Co., Inc., 1239 Central Ave., Hillside, N.J.  
Evans Rule Co., 400-416 Trumbull St., Elizabeth, N.J.  
The Fairgate Rule Co. Inc., Cold Spring, N.Y.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Lucas Rule Co., Inc., 21 Beardsley Ave., Silver Springs, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Oxalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
Rol-Ruler Co., P.O. Box 164, Riegelsville, Pa.  
The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.

## RULES, CENTERING

The Fairgate Rule Co., Inc., Cold Spring, N.Y.

## RULES, PARALLEL

Airmate Co., Box 3282, Toledo 7, Ohio  
**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Anco Wood Specialties, Inc., 71-08 80th St., Glendale 27, N.Y.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Fairgate Rule Co. Inc., Cold Spring, N.Y.  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Oxalid Div., General Aniline & Film Corp., Anso Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Rol-Ruler Co., P.O. Box 164, Riegelsville, Pa.  
Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## RULES, PARALLEL FOLDING

**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**

## RULES, PERSPECTIVE

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Canlen Co., 1239 Monroe Ave., Wyomissing, Pa.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Fairgate Rule Co. Inc., Cold Spring, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.

## RULES, PROPORTIONING

The Fairgate Rule Co. Inc., Cold Spring, N.Y.

## SANDPAPER PADS

**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**



## SCALES, ARCHITECTS'

Acu-Rule Mfg. Co., P.O. Box 142, Mt. Olive, Ill.  
**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 Glideline Corp., 207 North Franklin St., Waynesboro, Pa.  
 The Graf ApSCO Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
 John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Lucas Rule Co., Inc., 21 Beardsley Ave., Silver Springs, N.Y.  
 Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Dzalid Div., General Aniline & Film Corp., AnSCO Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**Universal Drafting Machine Corp., 7960 Lorain Ave., Cleveland 2, Ohio**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## SCALES, CIVIL ENGINEERS'

Acu-Rule Mfg. Co., P.O. Box 142, Mt. Olive, Ill.  
**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
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 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
 Glideline Corp., 207 North Franklin St., Waynesboro, Pa.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**Universal Drafting Machine Corp., 7960 Lorain Ave., Cleveland 2, Ohio**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## SCALES, MECHANICAL ENGINEERS'

**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
 Evans Rule Co., 400-416 Trumbull St., Elizabeth, N.J.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
 Glideline Corp., 207 North Franklin St., Waynesboro, Pa.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
 John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Dzalid Div., General Aniline & Film Corp., AnSCO Rd., Johnson City, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**Universal Drafting Machine Corp., 7960 Lorain Ave., Cleveland 2, Ohio**  
**V & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## SCRIBING TOOLS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Direct Reproduction Corp., 811 Union St., Brooklyn 15, N.Y.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 Spring Specialty Co., 23 N. Fifth Ave., Maywood, Ill.  
 The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.

## SECTION LINING DEVICES

Dolgorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
 The O. A. Olson Mfg. Co., Dayton Ave. & 13th St., Ames, Iowa

## SHADING FILMS AND TAPES

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Chart-Pak, Inc., 1 River Rd., Leeds, Mass.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Tecnifax Corp., 195 Appleton St., Holyoke, Mass.

## SHARPENING STONES

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Behr-Manning Co., Troy, N.Y.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 M. Grumbacher, Inc., 460 W. 34th St., New York 1, N.Y.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.

## SKETCH PADS

Charles T. Bainbridge's Sons, 20 Cumberland St., Brooklyn 5, N.Y.  
 Bee Paper Co., Inc., P.O. Box 1016, Passaic, N.J.  
 Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.  
 George Vincent, Inc., 95 Industrial Ave. E., Clifton, N.J.

## SLIDE RULES

Acu-Rule Mfg. Co., P.O. Box 142, Mt. Olive, Ill.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
**A. W. Faber-Castell Pencil Co., Inc., 41-47 Dickerson St., Newark 3, N.J.**  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 The Graf ApSCO Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 Rapid Read Rule Co., 2126 Kennedy Dr., Sioux City 4, Iowa  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

*Listings in bold face type indicate that the company has advertising appearing in this issue which the reader may consult for more information. To locate an advertisement, see Index on page 52.*



## SLIDE RULES, CIRCULAR

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Gilson Slide Rule Co., N. Fork St., Lucie River, Box 1487, Stuart, Fla.  
 The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.  
 Graphicraft, P.O. Box 509, Westport, Conn.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## STANDS, COPYING MACHINE

The Toledo Metal Furniture Co., 2900 S. Hastings St., Toledo 7, Ohio

## STOOLS, DRAFTING

Ajusto Eqp. Co., 515 Conneaut St., Bowling Green, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Cramer Posture Chair Co., Inc., 625 Adams St., Kansas City 5, Kans.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 Garrett Tubular Products Inc., 802 E. King St., Garrett, Ind.  
 Isis Inc., Box 1062, York, Pa.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Lyon Metal Products, Inc., 39 Railroad Ave., Aurora, Ill.  
 Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Parent Metal Products, Inc., 6805 State Rd., Philadelphia 35, Pa.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Standard Pressed Steel Co., Jenkintown, Pa.  
 The Toledo Metal Furniture Co., 2900 S. Hastings St., Toledo 7, Ohio  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## STRAIGHT EDGES

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Anco Wood Specialties, Inc., 71-08 80th St., Glendale 27, N.Y.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 Dolgorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
 The Fairgate Rule Co. Inc., Cold Spring, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
 The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**Y & E Mfg. Co., 766 S. Fair Oaks Ave., Pasadena, Calif.**  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## SURVEYING INSTRUMENTS

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Buff & Buff Mfg. Co., 329 Lamartine St., Jamaica Plain 30, Mass.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 The Graf Apsco Co., 5868 Broadway, Chicago 40, Ill.

**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 \*U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.  
 David White Instruments, Div. Realist, Inc., N93 W16288 Megal Dr.,  
 Menomonee Falls, Wis.

## SYMBOLS, PREPRINTED

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
 Applied Graphics Corp., Shore Rd., Glenwood Landing, N.Y.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Chart-Pak, Inc., 1 River Rd., Leeds, Mass.  
 The Craftint Mfg. Co., 18501 Euclid Ave., Cleveland 12, Ohio  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
 Mico/Type Inc., 6551 Sunset, Los Angeles 28, Calif.  
 Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
 Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 Whitehall Co., 64 E. Lake St., Chicago 1, Ill.

## TABLES, DRAFTING, ADJUSTABLE

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 Garrett Tubular Products Inc., 802 E. King St., Garrett, Ind.  
 The General Fireproofing Co., Youngstown 1, Ohio  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
 Isis Inc., Box 1062, York, Pa.  
 Karl Mfg. Co., 32-36 Ionia Ave. S.W., Grand Rapids 2, Mich.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
 L.A.B. Corp., 975 Onondaga St., Skaneateles, N.Y.  
 Lyon Metal Products, Inc., 39 Railroad Ave., Aurora, Ill.  
 Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Ozolid Div., General Aniline & Film Corp., Anasco Rd., Johnson City, N.Y.**  
 Parent Metal Products, Inc., 6805 State Rd., Philadelphia 35, Pa.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
 Standard Pressed Steel Co., Jenkintown, Pa.  
 Tesco Products Co., 103 S. Bell, Bellville, Tex.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## TABLES, DRAFTING, DESK-TYPE

**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Corry Jamestown Corp., Corry, Pa.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.  
 E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 Garrett Tubular Products Inc., 802 E. King St., Garrett, Ind.  
 The General Fireproofing Co., Youngstown 1, Ohio  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
 Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.  
 Lyon Metal Products, Inc., 39 Railroad Ave., Aurora, Ill.  
 Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Parent Metal Products, Inc., 6805 State Rd., Philadelphia 35, Pa.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
 Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.  
 Standard Pressed Steel Co., Jenkintown, Pa.  
 Tesco Products Co., 103 S. Bell, Bellville, Tex.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.



## TABLES, DRAFTING, FOUR-POST

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Anco Wood Specialties, Inc., 71-08 80th St., Glendale 27, N.Y.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
**Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.**  
**Cloder Corp., 49-51 Ann St., New York 38, N.Y.**  
**Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.**  
**B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.**  
**E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.**  
**Garrett Tubular Products, Inc., 802 E. King St., Garrett, Ind.**  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Lyon Metal Products, Inc., 39 Railroad Ave., Aurora, Ill.**  
**Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.**  
**Nobema Products Corp., 141 Greene St., New York 12, N.Y.**  
**nuArc Co., Inc., 4110 W. Grand Ave., Chicago 51, Ill.**  
**Parent Metal Products, Inc., 6805 State Rd., Philadelphia 35, Pa.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.**  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.**  
**Standard Pressed Steel Co., Jenkintown, Pa.**  
**Tesco Products Co., 103 S. Bell, Bellville, Tex.**  
**Unitech Corp., 50 Colfax Ave., Clifton, N.J.**  
**U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.**  
**Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.**  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
**J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.**

## TABLES, DRAFTING, PEDESTAL-TYPE

**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Anco Wood Specialties, Inc., 71-08 80th St., Glendale 27, N.Y.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
**Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.**  
**Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.**  
**B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.**  
**Emmert Mfg. Co., 1051 E. Main St., Waynesboro, Pa.**  
**E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.**  
**The General Fireproofing Co., Youngstown 1, Ohio**  
**Hamilton Mfg. Co., Two Rivers, Wis.**  
**Isis Inc., Box 1062, York, Pa.**  
**Karl Mfg. Co., 32-36 Ionia Ave. S.W., Grand Rapids 2, Mich.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Kuhlmann Impex Inc., Box 9065, Houston 11, Tex.**  
**L.A.B. Corp., 975 Onondaga St., Skaneateles, N.Y.**

**Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.**  
**Nobema Products Corp., 141 Greene St., New York 12, N.Y.**  
**Parent Metal Products, Inc., 6805 State Rd., Philadelphia 35, Pa.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.**  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.**  
**Tesco Products Co., 103 S. Bell, Bellville, Tex.**  
**Unitech Corp., 50 Colfax Ave., Clifton, N.J.**  
**U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.**  
**Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.**  
**J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.**

## TABLES, LIGHT

**Miller-Trojan Co. Inc., 3 N. Ridge Ave., Troy, Ohio**  
**nuArc Co., Inc., 4110 W. Grand Ave., Chicago 51, Ill.**

## TABLES, TRACING, ILLUMINATED

**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
**Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.**  
**Cloder Corp., 49-51 Ann St., New York 38, N.Y.**  
**B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.**  
**E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.**  
**Hamilton Manufacturing Co., Two Rivers, Wis.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Nobema Products Corp., 141 Greene St., New York 12, N.Y.**  
**nuArc Co., Inc., 4110 W. Grand Ave., Chicago 51, Ill.**  
**Ozalid Div., General Aniline & Film Corp., Anasco Rd., Johnson City, N.Y.**  
**Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.**  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
**L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.**  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
**Stacor Equipment Co., 285 Emmet St., Newark 14, N.J.**  
**Tesco Products Co., 103 S. Bell, Bellville, Tex.**  
**U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.**  
**J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.**

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**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
By-Buk Co., 4314 W. Pico Blvd., Los Angeles 19, Calif.  
Chart-Pak, Inc., 1 River Rd., Leeds, Mass.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
Mico/Type Inc., 6551 Sunset Blvd., Los Angeles 28, Calif.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
Para-Tone, Inc., 510 W. Burlington Ave., La Grange, Ill.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## TAPES, MEASURING

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**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Buff & Buff Mfg. Co., 329 Lamartine St., Jamaica Plain 30, Mass.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Evans Rule Co., 400-416 Trumbull St., Elizabeth, N.J.  
The Graf Apco Co., 5868 Broadway, Chicago 40, Ill.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## TAPES, PREPRINTED, DRAFTING

ACS Tapes Inc., 217 California St., Newton 58, Mass.  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Applied Graphics Corp., Shore Rd., Glenwood Landing, N.Y.  
W. H. Brady Co., 727 W. Glendale Ave., Milwaukee, Wis.  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Chart-Pak, Inc., 1 River Rd., Leeds, Mass.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
Mico/Tape Inc., 6551 Sunset Blvd., Los Angeles 28, Calif.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
Ogilvie Press, Inc., 33 Rockwell Pl., Brooklyn 17, N.Y.  
**Stanpat Co., 150-42 12th Rd., Whitestone 57, N.Y.**  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.

## TEMPERA

Talens & Son, Inc., P.O. Box 453, Union, N.J.  
Weber Costello Co., 12th & McKinley, Chicago Heights, Ill.

## TEMPLATES, DRAFTING

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Dolgorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
Du-All Instrument Service, 4961 E. Eight Mile Rd., Warren, Mich.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Emeloid Co., Inc., 1239 Central Ave., Hillside, N.J.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Labelon Tape Co., 10 Chapin St., Canandaigua, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Timely Products Co., Box 416, Baltimore, Ohio**  
E. F. Twomey Co., Inc., 728 W. Tenth Pl., Los Angeles 15, Calif.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## TEMPLATES, LETTERING

Airmate Co., Box 3282, Toledo 7, Ohio  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
**Koh-I-Noor, Inc., North St., Bloomsbury, N.J.**  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Timely Products Co., Box 416, Baltimore, Ohio**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**V & E Mfg. Co., 765 S. Fair Oaks Ave., Pasadena, Calif.**  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
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Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
Duophoto Corp., 236 Fifth Ave., New York 1, N.Y.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
Hampton Processes, Inc., Sparta, N.J.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
**Ozolid Div., General Aniline & Film Corp., Anso Co., Johnson City, N.Y.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
Tecnifax Corp., 195 Appleton St., Holyoke, Mass.  
U. S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## TRIANGLES, ADJUSTABLE

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**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
**Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
**The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.**  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Fairgate Rule Co., Inc., Cold Spring, N.Y.  
E. H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
The Graf Apco Co., 5868 Broadway, Chicago 40, Ill.  
**Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.**  
John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
**Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.**  
A. Langnickel, Inc., 115 W. 31st St., New York 1, N.Y.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
**Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.**  
L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
**Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.**  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
**F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.**  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## TRIANGLES, METAL

**Theo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.**  
**Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.**  
Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
B. K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
The Fairgate Rule Co., Inc., Cold Spring, N.Y.  
Isis Inc., Box 1062, York, Pa.  
Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.



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 Berger Scientific Supplies, Inc., 37 Williams St., Boston 19, Mass.  
 Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 Igorukov Mfg. Co., 407 Fisher Bldg., Detroit 2, Mich.  
 Craft-All Triangle Co., 152 W. 42nd St., New York 36, N.Y.  
 K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 The Graf Apco Co., 5868 Broadway, Chicago 40, Ill.  
 Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.  
 John Henschel & Co., Inc., 425 Park Ave. So., New York 16, N.Y.  
 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Langnickel, Inc., 115 W. 31st St., New York 1, N.Y.  
 Mayline Co., Inc., 609 N. Commerce St., Sheboygan, Wis.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.  
 H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## RIMMER, PAPER

Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 American Photocopy Eqp. Co., 2100 W. Dempster St., Evanston, Ill.  
 Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Photostat Corp., 1001 Jefferson Rd., Rochester 3, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## SQUARE GUIDES

Sh-I-Noor, Inc., North St., Bloomsbury, N.J.

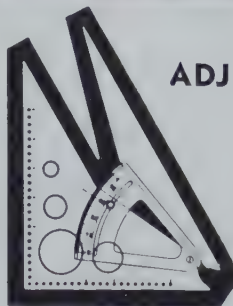
## SQUARES, ADJUSTABLE

Airmate Co., Box 3282, Toledo 7, Ohio  
 Geo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.  
 Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 The C-Thru Ruler Co., 827 Windsor St., Hartford 1, Conn.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 The Fairgate Rule Co. Inc., Cold Spring, N.Y.  
 H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.  
 H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## SQUARES, METAL

Geo. Alteneder & Sons, 1217 Spring Garden St., Philadelphia 23, Pa.  
 Alvin & Co., Inc., 611 Palisado Ave., Windsor, Conn.  
 Arthur Brown & Bro., Inc., 2 W. 46th St., New York 36, N.Y.  
 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
 Eugene Dietzgen Co., 2425 N. Sheffield Ave., Chicago 14, Ill.  
 K. Elliott Co., 536 Penn Ave., Pittsburgh 22, Pa.  
 The Fairgate Rule Co. Inc., Cold Spring, N.Y.  
 H. & A. C. Friedrichs Co., 136-140 Sullivan St., New York 12, N.Y.  
 Iller-Trojan Co. Inc., 3 N. Ridge Ave., Troy, Ohio  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 The L. S. Starrett Co., 1-165 Crescent St., Athol, Mass.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

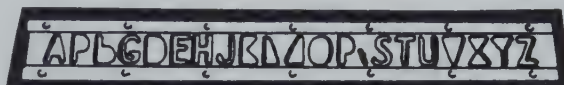
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 Charles Bruning Co., Inc., 1800 W. Central Rd., Mt. Prospect, Ill.  
 Cloder Corp., 49-51 Ann St., New York 38, N.Y.  
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 Gramercy Guild Group, Inc., 116 Broad St., New York 4, N.Y.  
 Keuffel & Esser Co., 300 Adams St., Hoboken, N.J.  
 Nobema Products Corp., 141 Greene St., New York 12, N.Y.  
 Noris Instruments, Ltd., 17-21 E. 22nd St., New York 10, N.Y.  
 Frederick Post Co., 3650 N. Avondale Ave., Chicago 18, Ill.  
 L. L. Ridgway Co., Inc., 517 La Branch, Houston 2, Tex.  
 Solar Products, Corp., 34 S. 16th St., Philadelphia 2, Pa.  
 Unitech Corp., 50 Colfax Ave., Clifton, N.J.  
 U.S. Blue Print Paper Co., 111 N. Wacker Dr., Chicago 6, Ill.  
 Warren-Knight Co., 136 N. 12th St., Philadelphia 7, Pa.  
 F. Weber Co., 1220 Buttonwood St., Philadelphia 23, Pa.  
 J. H. Weil Co., 1332 Cherry St., Philadelphia 7, Pa.

## WAX SEALER

Hampton Processes, Inc., Sparta, N.J.

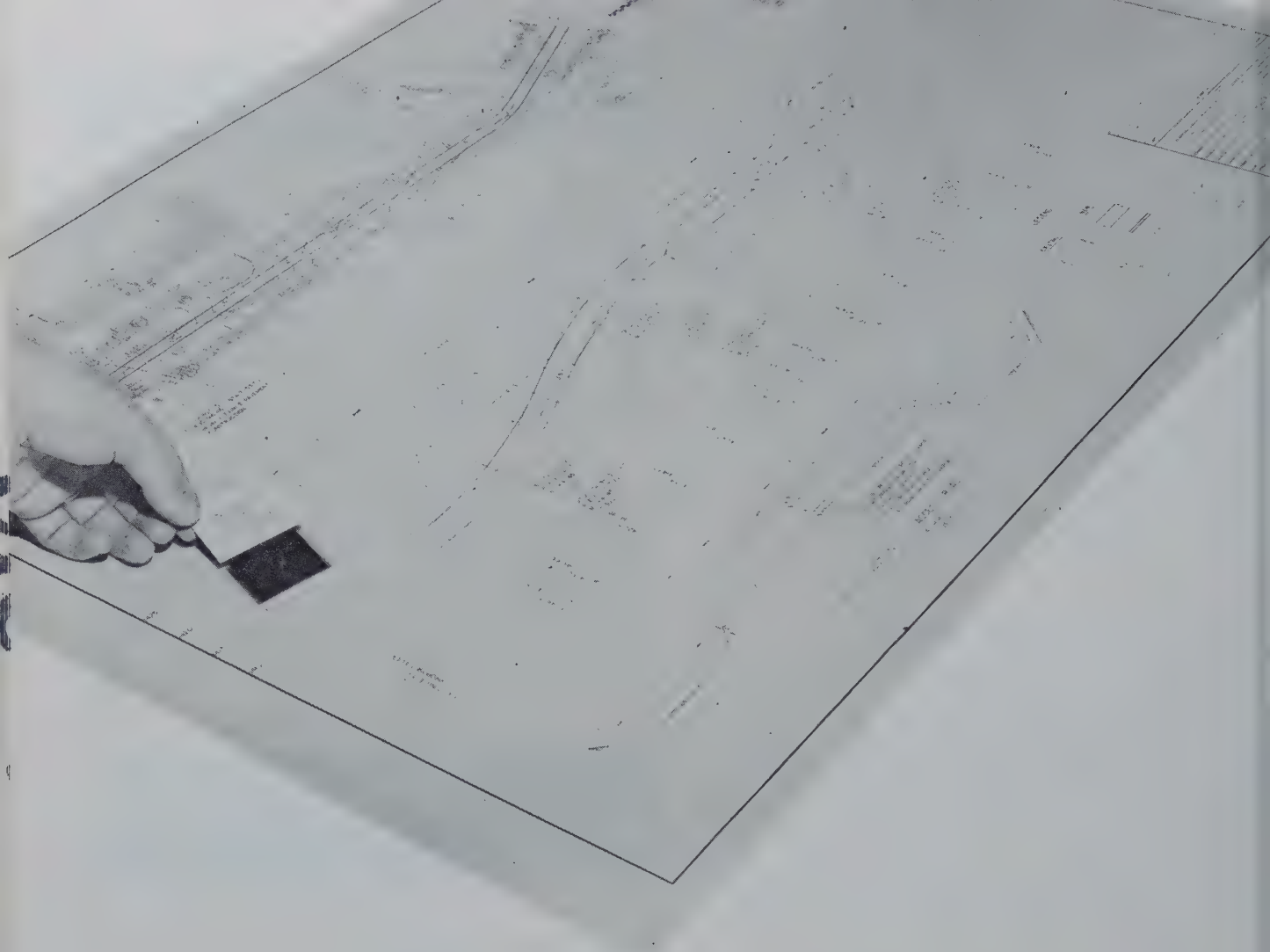
## WHEELS, MEASURING

Rotatape, Inc., 1741 14th St., Santa Monica, Calif.

## WHITEPRINT MACHINES

(see Photocopy Machines)





## MINIATURIZATION

*Saves Space, Money, and Time*

**W**HAT CAN a well managed, steadily expanding organization do when growing pains force its office personnel into five scattered locations arounds its headquarters city? The answer for Henningson, Durham & Richardson, an Omaha, Nebraska, engineering and architectural consulting firm, was obvious—find new quarters and consolidate.

As a result the company is moving into two floors of a new office building in a more desirable location. But the move has brought another problem: how to make maximum use of costlier space. When a square foot of floor space rents for \$5, the prospect of storing cabinets full of bulky plan tracings dating back as far as 44 years becomes a costly one. Yet, though the company may never have to refer to some of these tracings, it

still cannot afford to destroy them, for they may turn out to be the only drawings in existence for some village sewer or water system.

The answer here was miniaturization. The tool used was microfilm.

HD&R has grown from just a handful of people at its inception in 1917 to more than 250 employees in Omaha and the three branches at Colorado Springs, Phoenix, and Dallas. Started primarily as a consultant in municipal engineering, it has diversified and expanded to a point where it now serves municipalities, utilities, industries, and the armed forces in a wide variety of capacities.

Jobs on which HD&R has worked number in the thousands with many of the projects in the multi-million-dollar class. More than a thousand clients have been served, with some

associations dating back for decades.

A file of tracings has been maintained by the company from every one of its jobs. The exact number isn't known, but executive vice president W. A. Richardson estimates that the number on file before the micro-filming started was at least 70,000. These tracings range from 8½" x 11" to 28" x 40", and they are kept in 30- x 42-in file drawers in large cabinets in the headquarters basement.

For the last year, the company has been converting tracings to microfilm. It is planned to save originals for five years, then put them in the micro-filmed file. About 50 per cent of the back file has been converted thus far.

Equipment bought for the project included a 35 mm. planetary camera to photograph the tracings and a Filmac 200 Reader-Printer to read



microfilmed drawings and reproduce them in enlarged form.

The microfilming process is relatively simple. The camera operator takes the tracings from the file and stamps them with a job number. When each tracing is photographed on a camera table bordered on one side with a metal ruler. This ruler appears alongside the microfilmed tracing to show original scale.

Each reel of film will accommodate between 550 and 600 individual exposures. When a reel is finished it is mailed for processing. Upon its return, it is sent to a local firm for duplication. The duplicate reel is then stored in a bank safe deposit box as a precaution against possible loss of records in a fire.

Individual tracings are then clipped from reel no. 1 and filed in plastic jackets which are marked with the film exposure and reel and the project number. Then they are cross-indexed by client and project.

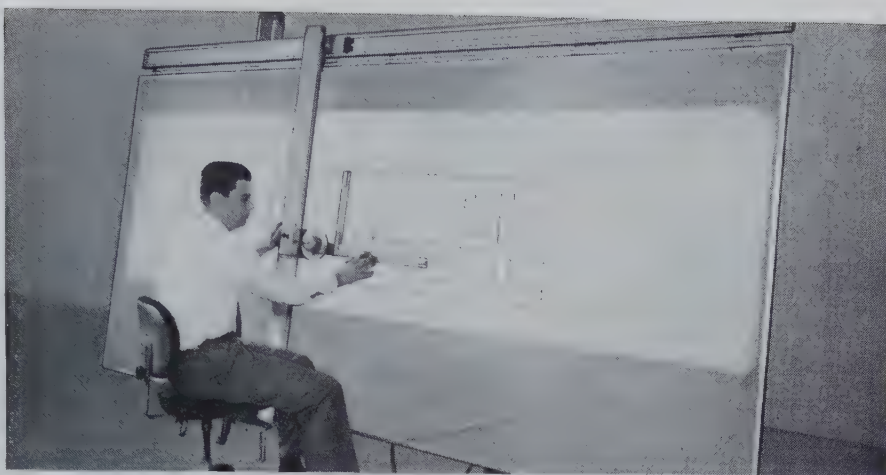
Space saving isn't the only return UDM will be getting from its microfilming operation, according to Richardson and office manager Brad Daniels.

"There are times," Richardson says, when a town may lose its blue prints of such items as the sewer and water systems we planned for it. Then, when they need copies of the drawings for something, such as hookups for new construction, they ask us for them. This may go on for years, with many such requests received."

Under the old system, searching for the tracing wanted for duplication was sometimes a time-consuming process, particularly when tracings were kept in no special order in a drawer containing several hundred similar documents.

Also, age and repeated handling tended to wear the tracings until they became almost unreadable. Some years ago a number had to be sent to Chicago to be replaced by a photo process, at a cost of \$25 per sheet.

Now when a client wants a copy of a tracing which has been microfilmed, it is taken from the files, placed in the reader-printer and in seconds an 18- by 24-inch reproduction can be made. Cost of the reproduction is about 25 cents, half of what it costs on the machine which reproduces full-sized original tracings. When a client wants several copies, this saving is considerable.



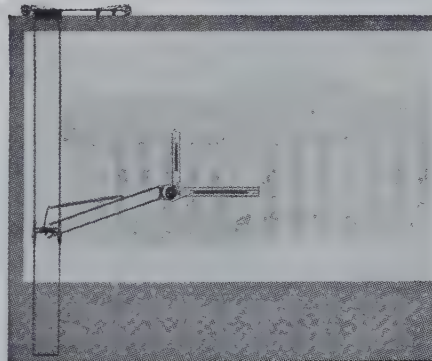
# NEW LONG LINE DESCENDANT

1901  
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**D**

1961  
**M**

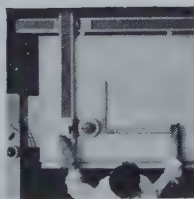
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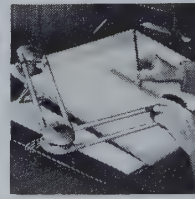
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Giant Drafting Board  
Rigid extruded aluminum board, impervious to moisture or warp. Smooth linoleum drawing surface. Power operated if desired, raising or lowering at your touch.



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Automatic balance at any board angle without adjustment. Exclusive 10" numbered grid graduations on X and Y-beams are optional feature. Rugged rails for true tracking.



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For detail drafting at home, office, shop. Fully professional in every degree. All the features of full size machines.



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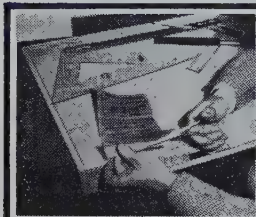


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**\$12<sup>00</sup>**  
for a one cent job?



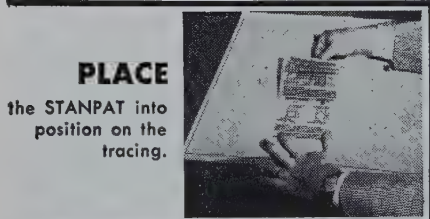
If you're duplicating drawing details, you're squandering precious hours of costly drafting time. STANPAT, the unique tri-acetate that is pre-printed with your standard and repetitive blueprint items, cuts time involved from 3 hours to 15 seconds! Figured at current pay rates, this means a \$12 job at less than one cent . . . the STANPAT way. Easily transferred to your tracings by an adhesive back or front, STANPAT relieves your engineer of time-consuming and tedious details, freeing him to concentrate on more creative work.

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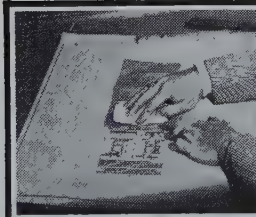
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## New Products

### All-Rag Tracing Paper

A new, high-quality, all-rag tracing paper, designed for engineering and drafting applications calling for strength and permanence, has been developed by Charles Bruning Co., Inc., Dept. GS, 1800 W. Central Rd., Mount Prospect, Ill.

Called Five Hundred tracing paper, the new material has excellent reproduction transparency, produces superior blue print and diazo reproduction copies. Its fine-toothed surface gives it pencil-taking and inking qualities for layout, sketch, drawing and tracing, coupled with excellent erasability.

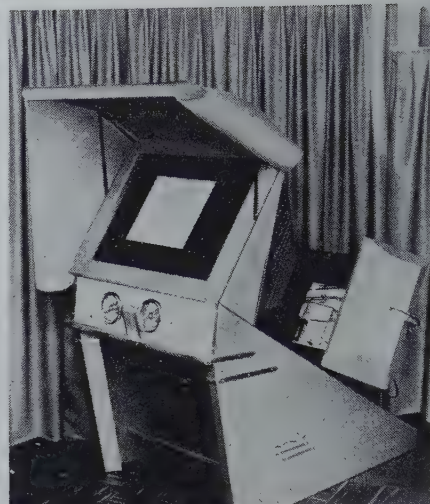
Paper is available in standard roll lengths and widths, and a wide variety of sheet stock sizes used in engineering and drafting.

### Plastic Lead

A very thin Ruwe smudge-proof plastic pencil lead has been introduced to allow draftsmen to produce sharp freehand lettering on polyester drafting film and water-resistant pencil cloth. The manufacturer, Keuffel & Esser Co., Dept. GS, Third and Adams Streets, Hoboken, N. J., claims the lead assures the drawing of crisp lines that never vary in width and are sharper and blacker than those made with a graphite pencil. Leads can be used with any standard fine-line mechanical pencil, are packaged 12 to a plastic dispenser, 12 dispensers to a carton.

### Offset Eraser

Kleen-Off offset eraser, #41, is a new product made especially to erase on reproduction master plates, either typed or handwritten. The manufacturer, Eberhard Faber Pen & Pencil Co., Crestwood, Wilkes-Barre, Pa., claims marks from crumbings and eraser lines have been completely eliminated. The eraser is packaged in a round wood casing, is pointed at both ends, adaptable for single letter erasures or larger correction tasks. They are sold one dozen to a sleeve, six sleeved units in a lift-off-cover box.



### Visualizer and Camera

Two new products have recently been announced by Lacey-Luci Products, Inc., Dept. GS, 52-58 Arlington St., Newark 2, N. J. These are the Majestic Angle Visualizer and the Majestic Art Aid & Camera. Although built along the lines of other visualizers and cameras made by the same company, these two have unique features of their own, are claimed by the manufacturer to embody great ease of operation and extreme ruggedness.

A 6 $\frac{3}{8}$ -inch Wollensak lens together with a 24- by 24-inch tilting copy board enable the operator of the visualizer to project an image of his copy from same size to four times enlargement or reduction on the 18- by 24-inch viewing area while remaining seated.

The unique pressure back furnished with the Art Aid & Camera makes possible photo copies or negatives of highest quality, says the manufacturer.

### Presentation Binder

A new binder, called Accopress, is now on the market intended primarily for presentations. The front cover, made of heavy gage transparent acetate, allows entire front page to show. Back cover is 20-point pressboard, firm and durable. Punched sheets are held firm by an Acco Fastener. The binder comes in 12 different colors, is made by Acco Products, Dept. GS, Ogdensburg, N. Y.





### Table Model Whiteprinter

A new higher speed, table model, dry diazo whiteprinter is now available from the Paragon-Revolute Div., Charles Bruning Co., Inc., Dept. GS, 1800 W. Central Rd., Mount Prospect, Ill. Called Starlet 80, it is similar to the Starlet 60 table model whiteprinter introduced earlier, but features a stronger exposure lamp for higher printing speeds.

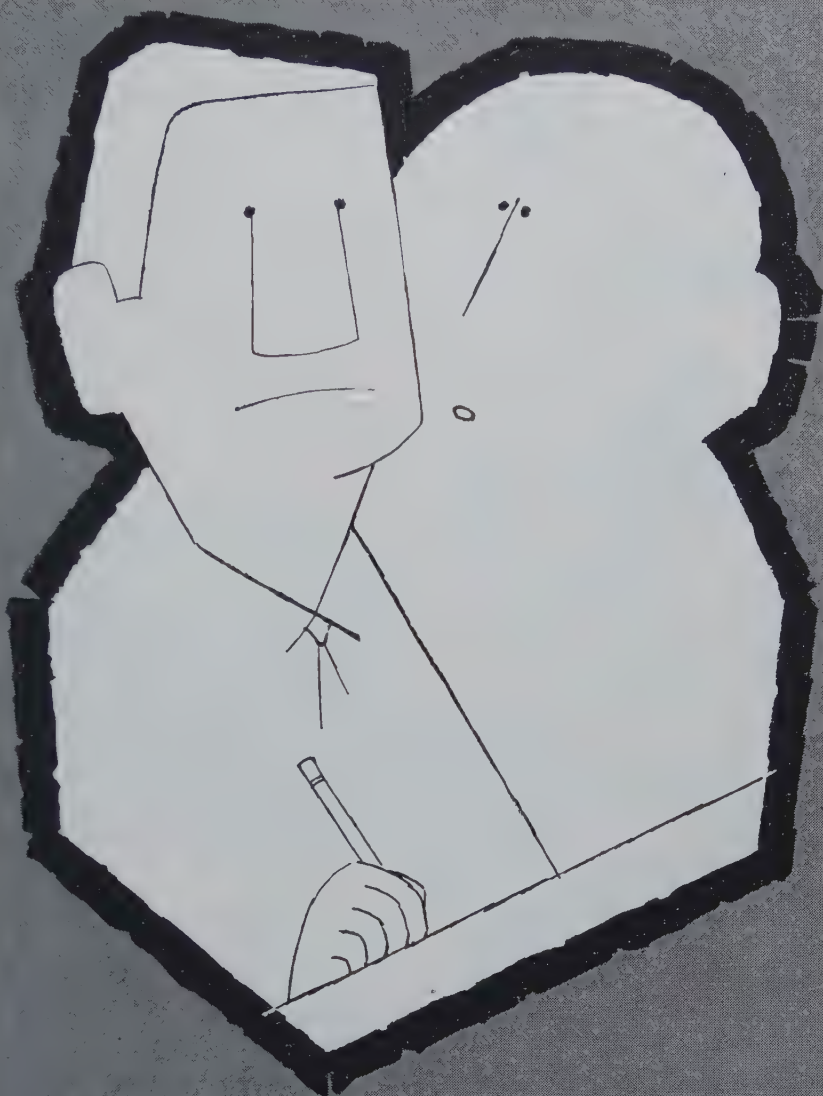
Especially designed for office copying, and for copying small to medium engineering blue prints, the machine will accept paper up to 20" wide by any length.



### Gummed Alphabets

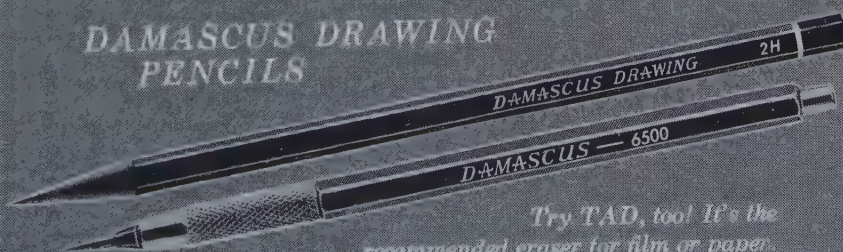
Die-cut gummed alphabets for use wherever professional lettering is needed are available in three type faces, seven colors, and sizes of 1", 1½", and 2". Made by Stik-a-Letter Co., Route 2, Box 1400, Escondido, Calif., the sets are packaged in 72 miniature indexed folders in a cardboard file box. Included: capitals, lower case, numerals, punctuation marks.

Further information and samples letters are available by writing the manufacturer.



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# NEWS



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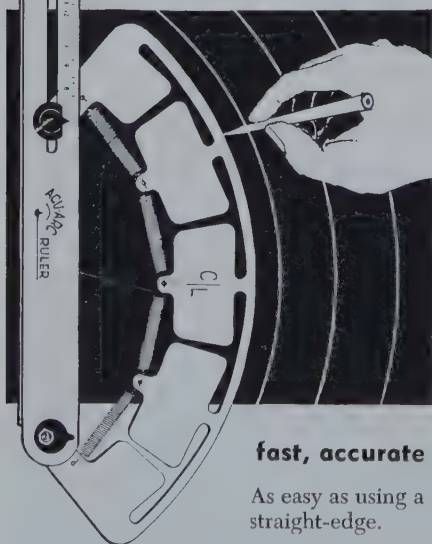
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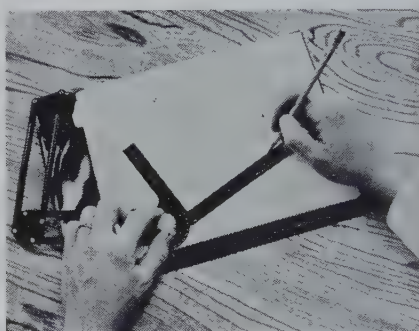
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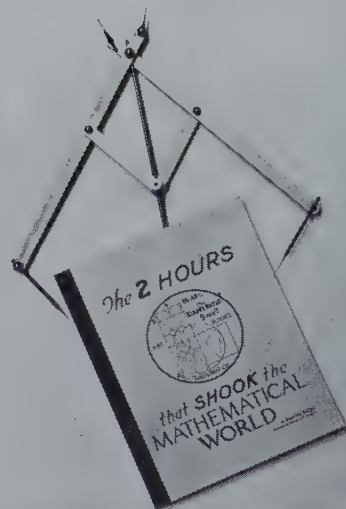
## Interchangeable Points

Individually interchangeable drawing point sections are now available in sets of one, three, and four, color-coded for quick identification of different point sizes (line widths). Koh-I-Noor, Inc., Dept. GS, Bloomsbury, N. J. has introduced these sets to go with their Rapidograph Technical Fountain Pens, calls them Rapidograph Drawing Point Sections. Each of the seven sizes has an airtight re-useable ink cartridge which can be easily filled. Individual point sections are made of a new jewel-like transparent material, come in the same seven color-coded sizes as the pens.



## Sketch Kit

A portable drafting machine mounted permanently in a vinyl self-locking binder combines the advantages of T-square, triangle, and protractor. Called the Draftette Sketch Kit, this drafting unit is a joint product of National Blank Book Co., Holyoke, Mass., and Draftette Co., Dept. GS, P. O. Box 794, Beverly Hills, Calif. Weighing only 2 lbs., the unit combines all-aluminum anodized drafting instrument with 4- by 6-inch one-piece aluminum scale, 180° protractor, pad of 50 sheets of drawing paper, and a drawing pencil.



## Kidjel Ratio Caliper

A new and simple tool for determining pleasing proportion and spatial harmony has been developed by Kidjel-Young & Associates, Inc., 1012 Piikoi St., Suite 3, Honolulu 14, Hawaii. The tool is called Cali-Pro, is based on the Kidjel Ratio system, a concept of proportion explained and illustrated in a book called *The 2 Hours That Shook the Mathematical World*, written by Maurice Kidjel in collaboration with Kenneth W. K. Young.

## Correction

We made the unfortunate mistake in our August issue of reporting as free a trial kit of Striprite, a new method of preparing tint negatives or positives for maps and drawings. Offered by Direct Reproduction Corp., 811 Union St., Brooklyn 15, N. Y., the kit costs \$10 and will eliminate laborious drafting operations.



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## New Literature

**New Quick Binder for Drawings and Documents** is described in an illustrated folder available from Ozalid Div., General Aniline & Film Corp., Dept. GS, 518 Corliss Lane, Johnson City, N. Y. The Tesaborder Edgebinder is a simple binding device which clamps to the edge of desk or table top. Used in connection with Ozalid's special tape, called Tesabore Tapes, the binder puts a protective edging around documents or binds them together in book form. For further details, write the company for literature.

**Quality Self-Sticking Tapes** are the subject of a 28-page catalog recently issued on its line by ACS Tapes, Inc., Dept. GS, 217 California St., Newton 58, Mass. The catalog is illustrated in color, gives prices, uses, applications, and specifications of a multitude of tapes and layout accessories.

**Art Materials** are the subject of a catalog put out by Winsor & Newton, Inc., Dept. GS, 881 Broadway, New York, N. Y. The catalog includes water colors; oils and media; brushes; retouching, photo-tinting, and film design colors; papers, canvases, and easels; art publications and other related materials. The 96-page listing is available free at art material dealers, or at a cost of 25¢ from the company itself.

**The Kodak Compass** is the name of a new newsletter intended to keep industry abreast of the latest industrial reproduction processes and materials. To be published three or four times a year and available free of charge, the newsletter will be concerned chiefly with the practical methods of industrial reproduction, including the latest information on drawing techniques and reproduction processes and materials. Copies are available on request by writing Sales Service Div., Dept. GS, Eastman Kodak Co., Rochester 4, N. Y.

**Sizes and Types of Porta-Trace**, the new fluorescent-lighted portable tracing and retouching unit, are described and priced in literature available from Ozalid Div., General Aniline & Film Corp., Dept. GS, 519 Corliss Lane, Johnson City, N. Y. Porta-Trace is notable for its light weight and portability; can be adapted to permit the making of cutouts directly on the tracing table.

**Newly Designed Drafting Equipment** is catalogued and priced in a four-page booklet from Stacor Equipment Co., Dept. GS, 285 Emmet St., Newark 5, N. J. Bulletin #561 features the Stacor-Matic Coordinate Group. Another more complete catalog giving the company's full line is also available on request; it is Catalog #GC-59.

**Recent Catalog on Tapes, Templates, Accessories** and other items manufactured by Chart-Pak, Inc., Dept. GS, 11-23 River Rd., Leeds, Mass., is now available. The 32-page booklet gives prices and details, illustrates items available, and includes simplified ordering index.

*(Copies of the literature reviewed can be obtained directly from the manufacturer or publisher. Complete addresses are included.)*

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## Advertising Index

Aero Service Corp.	37
Alvin & Co., Inc.	37
Theo. Alteneder & Sons	52
Jay H. Bergen & Assoc.	52
Richard Best Pencil Co., Inc.	49
Bienfang Paper Co., Inc.	23
Art Brown & Bros.	50
Clearprint Paper Co.	25
The C-Thru Ruler Co.	45
The Joseph Dixon Crucible Co.	39

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E. I. du Pont de Nemours & Co., Inc.	5
Eagle Pencil Co.	28, 29
Eastman Kodak Co.	7
Eberhard Faber Pen & Pencil Co.	33
A. W. Faber-Castell Pencil Co.	51
Gramercy Guild Group	43
Hamilton Mfg. Co.	11, 12
Handicraft Tools, Inc.	35
Higgins Ink Co.	15
C. Howard Hunt Pen Co.	19
Hoyle Engineering Co.	50
Keuffel & Esser Co.	2
Keystone Blue Paper Co.	52
Kidjel-Young	33
Koh-I-Noor, Inc.	54
Minnesota Mining & Mfg. Co.	9
Ozalid Div., General Aniline & Film Corp.	53
Photostat Corp.	17
Plan Hold Corp.	27
Frederick Post Co.	10
Solar Products	56
J. S. Staedtler, Inc.	23
Stanpat Co.	48
The Stik-a-letter Co.	53
Timely Products Co.	6
Universal Drafting Machine Co.	47
V & E Mfg. Co.	30
F. Weber Co.	33



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